Kent-Moore

SERVICE TOOL GUIDE

HUDSON PARTS SERVICE

1950 Edition for

HUDSON

This Emblem Identifies Tools for Hudson Service.

KENT-MOORE K M DETROIT MICH. U.S.A.

Additional Service Tool Data for:

BUICK
CADILLAC
CHEVROLET
NASH
OLDSMOBILE
PACKARD
PONTIAC
STUDEBAKER

H. S. Lavertz
1513 Ravine Road
Charleston 3, W Va
Phone 67333

This Document Courtesy of
HET Member Paul Schuster

Your Job and Ours

Whether you have the biggest and the best service department in town, or whether you operate a small or specialized repair shop, you're still an important part of one of the country's most vital industries. The Automotive Service Industry . . . *and it is vital!* Consider these facts: There are well over 45,000,000 automobiles on the road today. Nearly all of them are driven almost every day. The great majority are considered next to essential in providing the productive, personal transportation upon which our standard of living depends and around which our national economy is built. And every one of these 45,000,000 plus vehicles requires service . . . from normal periodic check-ups and adjustments to infrequent major repair operations . . . in order that they may operate efficiently and fulfill their purpose satisfactorily over longer periods of usefulness.

To you in the Automotive Service Industry, this represents a great responsibility . . . as well as a golden opportunity to participate and share in an ever-expanding volume of service business. To us at Kent-Moore it justifies maintaining complete research, engineering, and manufacturing facilities devoted exclusively to the development of Special Automotive Service Tools and Equipment required to help you do your job better.

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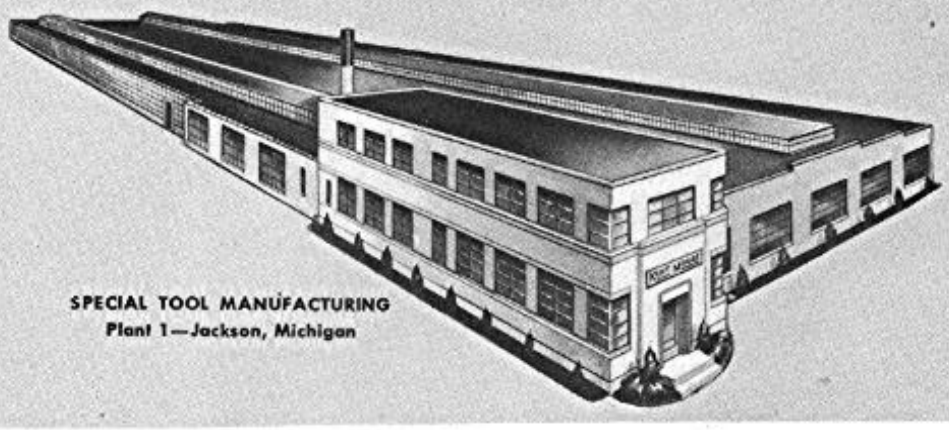
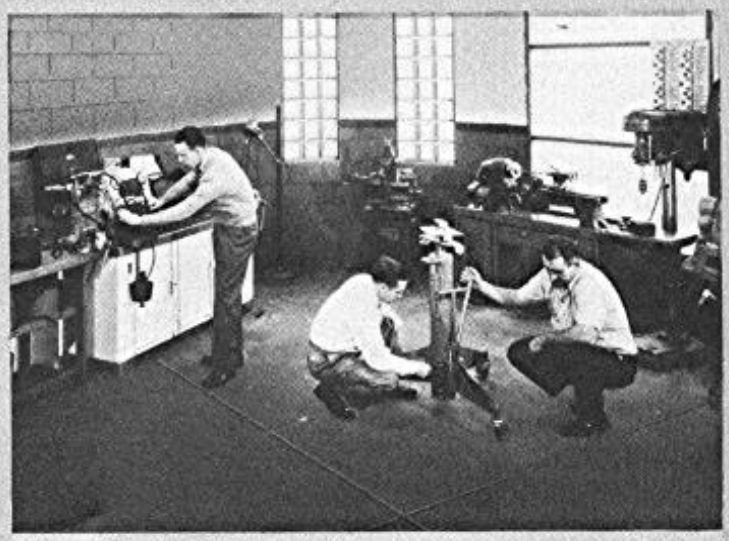


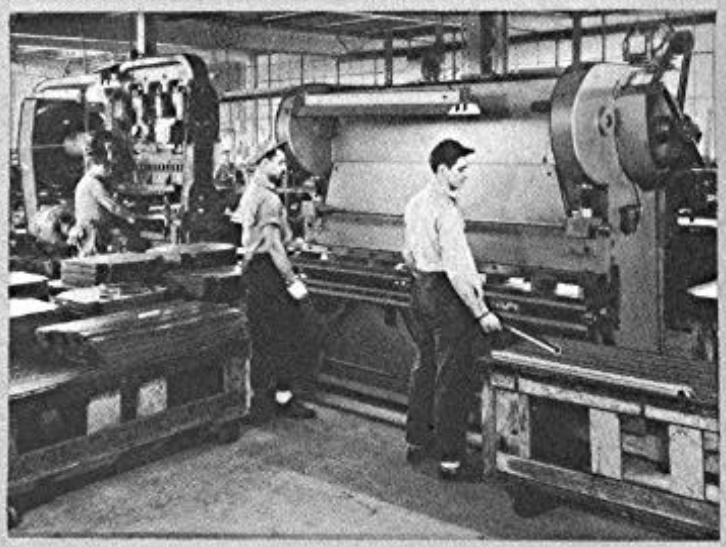
SPECIAL TOOL MANUFACTURING
Plant 1—Jackson, Michigan

RESEARCH AND ENGINEERING
Michigan Center, Michigan

FOR OVER 30 YEARS, Kent-Moore has worked in close cooperation with major automobile manufacturers designing and producing the essential special tools required to perform the many important factory-recommended service operations for which no adequate standard tools exist. Each Kent-Moore Special Service Tool is designed for use on a specific operation. Each one is built to do its particular job better, faster, easier . . . more economically, too . . . than is possible by means of improvised makeshift methods. In fact, on a great many important repair operations, they represent the only safe, effective means for rendering proper service without possible damage to parts or injury to service personnel. And, finally, Kent-Moore Special Service Tools are produced to a traditionally high standard of quality made possible only by highly skilled craftsmen working efficiently with complete and modern engineering and manufacturing facilities.



1 Pilot models of new tools and equipment are created and tested under actual working conditions at Kent-Moore's Research and Engineering Division.



4 Kent-Moore's Plant 2 at Jackson is devoted exclusively to the production of many different types of specialized automotive service equipment.

EQUIPMENT MANUFACTURING
Plant 2—Jackson, Michigan

ASSEMBLY AND SHIPPING
Detroit, Michigan

2 Kent-Moore's Plant 1 at Jackson, Michigan is fully equipped and staffed for the efficient, economical manufacture of Special Service Tools.

3 Rigid inspection of production is responsible for maintaining the high standard of quality required of Kent-Moore Special Service Tools.

5 From start to finish, the complete manufacturing facilities at Plant 2 transform raw metal stock into practical, useful service equipment.

6 Adequate stocks of tools and equipment are maintained at Kent-Moore's Assembly and Shipping warehouse to permit prompt shipment of your orders.

How to use this Special Service Tool Guide

This Composite Tool Guide has been developed to help you find the Kent-Moore Special Service Tools you need with the least amount of effort in the least amount of time. For example . . . ★ If you know only the *Name* of the tool you need . . . or even the *Section* of the car upon which it is used . . . refer to the pages listed in the **ALPHABETICAL INDEX OF TOOLS BY SECTIONS** to find the Tool Number and Page Number upon which it is described and illustrated. ★ If you just know the *Number* of the tool you need, refer to the Numerical Index contained on the Green Colored Price List included with this Guide to find the Tool Name and Page Number containing description and illustration. ★ Or, if you know the *Tool Number* and its *Section* of use, refer to the pages listed under the **INDEX TO SECTIONS** at right. There you will find the tools you need listed in numerical sequence.

ALPHABETICAL INDEX OF TOOLS BY SECTIONS

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CONVENTIONAL CLUTCH	58	POWERGLIDE TRANSMISSION	61	REAR AXLE	62 to 64	BRAKES	66
STANDARD TRANSMISSION	58 to 60	STUDEBAKER AUTOMATIC TRANSMISSION	61 to 62	FRONT SUSPENSION	64 to 66	BODY	67
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HOW TO ORDER

1 After making your selection of tools, refer to the Price List in the back of the Tool Guide.

2 Use one of the convenient Order Blanks, write in your Firm Name and Address and the Quantity, Tool Number, Description and Price of each item you wish to order.

3 Indicate whether yours is a Cash or C.O.D. order. Deduct 5% for cash with order and attach your check for net amount.

4 Mail your order direct to Kent-Moore. You will receive an Order Acknowledgment prior to shipment of your tools.

TERMS

Cash with Order—You save 5% by forwarding a Money Order, Postal Note or Check in full with your order.

C.O.D.—All orders not accompanied by Money Order, Postal Note or Check in full will be shipped C.O.D. in which cases the prices are net and not subject to 5% discount.

Shipments will be made via Parcel Post, Express or Freight depending on the weight, F.O.B. Detroit, Mich.

GUARANTEE—You take no risk as all items are fully guaranteed against defective materials and workmanship.

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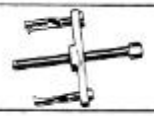
ENGINE—*Includes Cooling, Ignition and Fuel Systems—Battery, Starter and Generator Tools.*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	HM 3-R—Connecting Rod Bending Iron (HUDSON) All Cars—All Models except Olds "Rocket" Engine. 5 lbs.		
	HM 408-P—Timing Sprocket Setting Gauge PONT—All Models. 3 ozs.		
	HM 536—Valve Spring Lifter PACK—PONT—All Models; OLDS—All Models except "Rocket" Engine. 1 lb.		
	HM 586—Piston Pin Bushing Reamer (.855") OLDS—1934-48 All Series, 1949-50—6 cyl. 2 lbs.		
	HM 593-A—Piston Fitting Feeler & Scale (.002" & .0015") OLDS—All Models. ¼ lb.		
	HM 593-N—Piston Fitting Feeler & Scale (.002" & .0025") NASH—1937-48 except 40 Series. ¼ lb.		
	HM 861-Y—Crankshaft & Cam Gear Replacer STUDE—All Models. 3 lbs.		
	HM 865—Cam Gear Puller STUDE—1939 & 40 Comm. & Pres. with Threaded Cam Hubs. 2 lbs.		
	HM 925—Puller Set (For removing Crankshaft & Camshaft Gears, Vibration Dampers, Compression Flanges, etc.) STUDE—All Models. 10 lbs.		
	J 89—Vacuum Checking Gauge (HUDSON) (Capacity—30 in. of Mercury) All Cars—All Models. 1¼ lbs.		

ENGINE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 129-2—Valve Guide Reamer (.343" Finishing) (HUDSON) CAD—All Models 1936-48; CHEV—All Pass. Cars & Trucks; NASH—Series 40; OLDS—All Models 1939-48, 1949-50—6 Cyl. (8 Cyl. intake); HUD—All Models 1938-50; PACK—1935-50 All Models. ¼ lb.		
	J 129-3—Valve Stem Guide Reamer (.375") BUICK—All Models; NASH—All Series 60-80, 1937-40 Series 10-20. ¼ lb.		
	J 183—Flywheel Stud Hole Reamer (.437") OLDS—1935-50 All Series except "Rocket" Engine. ½ lb.		
	J 232-A—Engine Lifting Eye Bolt (14MM THD) OLDS—1937-48 All Series, 1949-50—6 Cyl. 1¾ lbs.		
	J 257-X—Valve Lifter Remover & Replacer CAD—1936-48 All Models. 8½ lbs.		
	J 267—Valve Stem Guide Remover (11/32") (HUDSON) HUD—1938-50 All Models; CHEV—All Pass. Cars & Trucks. 1½ lbs.		
	J 269—Valve Stem Guide Remover & Replacer (⅜") BUICK—All Models ½ lb.		
	J 336-A—Piston Fitting Feeler & Scale (.002"—.003") STUDE—All Models. ½ lb.		
	**J 471—Crankshaft Gear Puller** (HUDSON) HUD—1933-50 All Models. 2½ lbs.		
	J 478-A—Valve Tappet Feeler Gauge (.006"—.008"—.010"—.012") (HUDSON) HUD—1935-50 All Models. ¼ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 483-A—Crankshaft Gear & Vibration Damper Replacer HUD—1933-50 All Models. 3½ lbs.		
	J 505-G—Carburetor Tool Set OLDS—1936-48 All Models with Carter Carburetors. 2½ lbs.		
	J 505-NC—Carburetor Tool Set NASH—All Models. 2½ lbs.		
	J 516—Connecting Rod Bushing Burnisher (.926") PONT—All Models. (Use with J 526 Block) 1½ lbs.		
	J 526—Connecting Rod Bushing Burnisher Block (Use with J 516, J 540-1 & J 540-2) PONT—All Models. 5 lbs.		
	J 540-1—Connecting Rod Bushing Remover PONT—All Models. (Use with J-526 Block) ¾ lb.		
	J 540-2—Connecting Rod Bushing Replacer PONT—All Models. (Use with J-526 Block) ¾ lb.		
	J 587-A—Valve Spring Inserter HUD—1935-47 All Models, 1948-50—8 Cyl. ¼ lb.		
	J 676-C—Vibration Damper Puller HUD—1936-50 All Models. 7 lbs.		
	J 679-A—Fan Hub Puller BUICK—1934-47 All Models. 3 lbs.		

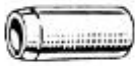
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 706-P—Valve Lifter Guide Hole Oversize Reamer (1.0050") PONT—All Models. 2½ lbs.		
	J 708-A—Radiator Flusher Includes: J 708-14—Inlet Elbow Assembly With Air Valve. J 708-15—Outlet Elbow Assembly With Hose. J 708-17—Heater Flushing Fitting. All Cars—All Models. 10 lbs.		
	J 719—Valve Guide Remover OLDS—1938-48 All Series, 1949-50—6 Cyl. ¾ lb.		
	J 726—Coil Top Remover Coils with Removable Covers. ¼ lb.		
	J 742—Piston Pin Remover & Installer HUD—1936-47 All Models, 1948-50—8 Cyl. ¾ lb.		
	J 744—Distributor Rotor Puller HUD—All Models. 1¼ lbs.		
	J 819-F—Carburetor Tool Set HUD—All Models. 1½ lbs.		
	J 826-A—Valve Stem Guide Replacer CAD—1936-48 All Models. 2 lbs.		
	J 827—Valve Lifter Bracket Installer CAD—1936-48 All Models. ½ lb.		
	J 831—Water Pump Impeller Shaft Installing Pilot CAD—1936-48 All Models. ¾ lb.		

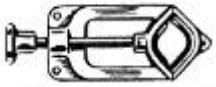
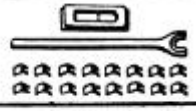
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 874-9—Piston Pin Bushing Reamer .856" OLDS—All Series through 1948, 1949-50 6 Cyl. 1½ lbs.		
	J 874-16—Piston Pin Bushing Reamer .750" HUD—1936-47 All Models, 1948-50 8 Cyl. 1¾ lbs.		
	J 874-17—Piston Pin Bushing Reamer .812" NASH—1941-48 Series 40; BUICK 40-50 Series—All models. 1½ lbs.		
	J 874-18—Piston Pin Bushing Reamer .875" NASH—1941-50 Series 60-80, 1937-40 Series 10, 20, 80; PACK—1935-50 All Models; CAD—All Models up to 1948; BUICK—60-70-80-90 Series—All Models. 1½ lbs.		
	J 874-19—Piston Pin Bushing Reamer .936" PONT—All Models. 1¾ lbs.		
	J 883-B—Valve Stem Guide Replacer Set HUD—1938-50 All Models. 2½ lbs.		
	J 888—Piston Feeler and Scale (.0015"—.002"—.003") HUD—1936-50—All Models. 1½ lbs.		
	J 941-4—Heat Riser Adapter Depth Gauge (Use with J 941 Differential Brng. Driver) PONT—All Models. ¼ lb.		
	J 955—Rear Main Bearing Oil Seal Compressor (2.937" dia.) OLDS—1938-48 All Series, 1949-50—6 Cyl. 5½ lbs.		
	J 959-A—Oil Pump and Distributor Gear Press Plate OLDS—1937-49 All Series, 1949-50—6 Cyl. 1½ lbs.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 965-A—Piston Reaming Fixture CHEV—All Pass. Cars & Trucks. 11½ lbs.		
	J 965-3—Piston Pin Bushing Reamer (.865") CHEV—All Pass. Cars & Trucks. 1 lb.		
	**J 966—Timing Gear Cover Centering Gauge** CHEV—All Pass. Cars & Trucks. 1 lb.		
	J 967—Harmonic Balancer Puller CHEV—1937-38 Pass. Cars & Trucks. 3½ lbs.		
	J 971—Camshaft Gear Remover and Replacer CHEV—All Pass. Cars & Trucks. 4 lbs.		
	J 995—Timing Gear Cover Oil Seal Driver CHEV—All Pass. Cars & Trucks. 4 lbs.		
	J 1042—Valve Guide Replacer OLDS—1938-48 All Series, 1949-50—6 Cyl. 1½ lbs.		
	J 1045—Rear Main Bearing Oil Seal Compressor PONT—All Models. 5¼ lbs.		
	J 1047—Starter Motor Wrench PONT—All Models. 1 lb.		
	J 1055—Valve Stem Length Gauge CAD—1936-48 All Models. ½ lb.		
	J 1067—Valve Lifter Guide Plug Gauge (.625" go-no-go) OLDS—1937-48 All Series, 1949-50—6 Cyl. ¼ lb.		

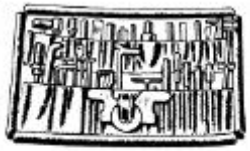
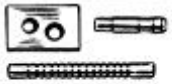
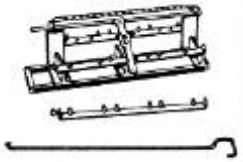
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1089—Valve Guide Replacer (Intake) CHEV—All Pass. Cars & Trucks. 1½ lbs		
	J 1090—Valve Guide Replacer (Exhaust) CHEV—All Pass. Cars & Trucks. 1½ lbs.		
	J 1137—Carburetor Fast Idle and Unloader Bending Iron NASH—All Models. 3 ozs.		
	J 1144-A—Carburetor and Fuel Pump Holding Fixture All Fuel Pumps and Carter or Stromberg Carburetors. 10 lbs.		
	**J 1218—Piston Vise** All Cars—All Models. 4¾ lbs.		
	J 1226—Water Pump Fan Pulley Puller CHEV—All Pass. Cars & Trucks. 1½ lbs.		
	J 1248—Timing Setting Gauge OLDS—1936-48 All Models, 1949-50—6 Cyl. ¼ lb.		
	J 1287—Harmonic Balancer Puller & Replacer CHEV—1939-50 All Pass. Cars & Trucks. 3½ lbs.		
	J 1293-C—Piston Pin Assembly Tool STUDE—All Champs., All Commanders after 14A, 15A, M5, M15, M15A, & All "R" Series Trucks. ½ lb.		
	J 1336—Cylinder Head Assembly Pins (2) BUICK—All Models. 1 lb.		
	**J 1378—Valve Spring Compressor** NASH—1937-40 Series 10. 3 lbs.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1404—Cooling Test Cap NASH—1939-48 All Series up to K228680 & R495329. ½ lb.		
	J 1419—Water Pump Bushing Remover & Replacer NASH—1940-48 All Series. 1 lb.		
	J 1427—Connecting Rod Bushing Remover & Replacer NASH—1937-40 All Series, 1941-42 Series 80, 1941-50 Series 60. ¾ lb.		
	J 1428—Distributor Point Setting Light All Cars—All Models. ¼ lb.		
	J 1429-B—Valve Guide Replacer NASH—All "L" Head Engines. 3½ lbs.		
	J 1446—Water Pump Shaft Slinger Installer OLDS—All Series 1937-46. ¾ lb.		
	J 1454—Oil Check Valve Remover & Replacer HUD—1933-47 All Models, 1948-50—8 Cyl. 3½ lbs.		
	J 1455-A—Water Pump Seal Seat Reamer (1.437") PONT—All Packless Water Pumps; OLDS—1937-48 All Series, 1949-50—6 Cyl. 2 lbs.		
	J 1456—Water Pump Seal Installer OLDS—1934-48 All Series, 1949-50—6 Cyl. 2¼ lbs.		
	J 1475—Carburetor Pump Stroke Gauge NASH—All Models. 3 ozs.		
	J 1498-A—Connecting Rod Bolt Socket Set (Hex & Slotted Type) CAD—1938-48 Hex Type, 1936-37 Slotted Type. 4¾ lbs.		
	J 1501—Water Pump Facing Cutter STUDE—All Champs., 7G, 8G, 14A, 15A, 16A, 17A, M5, M15, M15A, & All "R" Series Trucks. ¼ lb.		

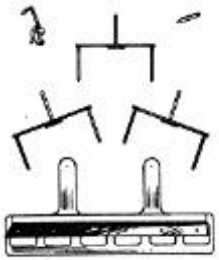
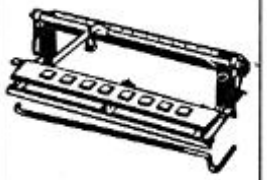
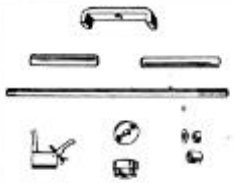
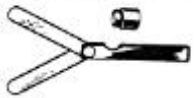
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1543-A—Cylinder Block Air Gun CAD—1938-50 All Series. ¾ lb.		
	**J 1577-G—Carburetor Tool Set** CAD—1938-50 All Series. 3¼ lbs.		
	J 1580—Engine Jacks (2) BUICK—1934-47 All Models. ¾ lb.		
	**J 1604—Piston Pin Bushing Driver & Burnisher Set** NASH—1941-48 Series 40. 4½ lbs.		
	J 1610—Rear Crankshaft Bearing Oil Seal Packing Driver NASH—1941-50 Series 40. 7 lbs.		
	J 1612—Valve Spring Compressor NASH—1941-50 Series 40. 1¼ lbs.		
	J 1649—Piston Pin Bushing Remover & Replacer Support Block (Use with J 1674 Bushing Tool) 5 lbs.		
	**J 1656-CA—Cylinder Head Holder & Valve Spring Compressor** CHEV—1937-49 All Pass. Cars & Trucks. 45 lbs.		
	J 1674—Piston Pin Bushing Remover & Replacer (.840") (Use with J 1649 Support Block) OLDS—1936-48 All Series, 1949-50—6 Cyl. 1½ lbs.		
	J 1720-A—Water Pump Seal Seat Refinishing Set PACK—1939-50 All Models. 4¾ lbs.		

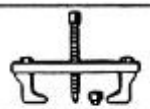
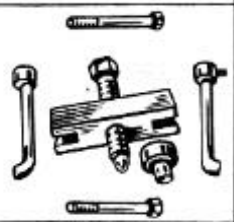
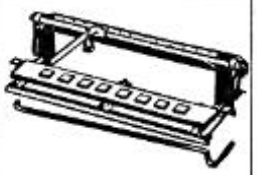
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1786—Flywheel Turning Tool OLDS—1934-48 All Series, 1949-50—6 Cyl. 1½ lbs.		
	J 1856—Distributor Point Feeler Gauge (.017" & .020") HUD—1936-50 All Models. ¼ lb.		
	J 1870—Timing Chain Cover Oil Seal Driver BUICK— 1946-50 All Models 1¼ lbs.		
	J 1941—Valve Guide Counterbore Reamer CAD—1936-48 All Models. ¼ lb.		
	J 1944—Engine Lifting Eye Bolts (½" x 13 Thd.) (Pr.) STUDE—All Comm. 2 lbs.		
	J 1946—Engine Lifting Eye Bolts (7/16" x 14 Thd.) (Pr.) STUDE—All Champs. 2 lbs.		
	J 1953—Valve Key Replacer STUDE—All Models; PACK—1939-50 All Models; HUD—1948-50—6 Cyl. ¼ lb.		
	J 2034—Valve Stem Guide Remover & Replacer Set STUDE—All Models. 1½ lbs.		
	J 2036—Camshaft Bearing Remover & Replacer Set STUDE—All Models. 8½ lbs.		
	J 2122—Valve Guide Counterbore Cleaner (Exhaust) PONT—All Models. ¾ lb.		

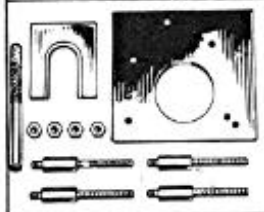
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2130-B—Oil Nozzle Checking Tool Set** Includes: J 969-1A—Oil Pan Target. J 969-2A—Trough Depth Gauge. J 1541—Trough Depth Gauge. J 1646-A—Trough Depth Gauge. J 793-3—Water Faucet Assembly. J 793-5—Nozzle Setting Tool. CHEV—All Pass. Cars & Trucks with 216.5 & 235 Cu. In. Engines. Additional Information Available Upon Request. 7¾ lbs.		
	J 2153—Valve Remover All "L" Head Engines with valve dia. up to 2½". 4 lbs.		
	J 2155—Connecting Rod Socket (Part of J 1498-A) (Slotted Type) CAD—1936-37 All Models. 2 ozs.		
	**J 2163—Cylinder Head Holder & Valve Spring Compressor** BUICK—All Models. 42 lbs.		
	**J 2250—Camshaft Bearing Remover & Replacer Set** CAD—1936-48 All Models. 15½ lbs.		
	J 2542—Valve Guide Remover PONT—All Models. ¾ lb.		
	**J 2553—Tappet Gauge Set (Hydraulic) (.030" & .070")** PACK—1940-50 Custom 8. ¼ lb.		
	J 2555—Piston Pin Bushing Replacement Set PACK—1935-50 All Models. 8½ lbs.		

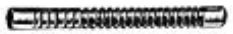
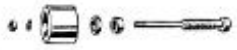
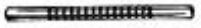
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2561—Piston Pin Assembly Pilot PACK—1935-50 All Models. 1¼ lbs.		
	J 2562—Timing Gear Cover Aligning Arbor PACK—1939-50 All Models 1½ lbs.		
	J 2573-A—Carburetor Tool Set PACK—1942-50 All Models. 3½ lbs.		
	J 2577—Valve Guide Driver & Depth Gauge PACK—1939-50 All Models. 1¾ lbs.		
	J 2580—Valve Guide Remover PACK—1935-50 All Models. 1¼ lbs.		
	**J 2582—Vibration Damper Puller** PACK—1939-47 All Models, 1948-50—Custom 8. & Super. 5½ lbs.		
	J 2635-A—Valve Guide Replacer NASH—All valve-in-head engines. 1½ lbs.		
	**J 2636—Vibration Damper Puller** PACK—1948—6 & 8 Cyl. 1949-50 Eight. 2½ lbs.		
	**J 2653—Cylinder Head Holding Fixture & Valve Spring Compressor** NASH—All 6 Cyl. valve-in-head engines. 42 lbs.		

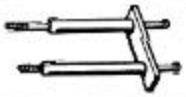
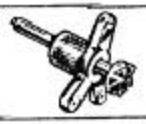
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2672—Cylinder Head Stud Nut Wrench NASH—All valve-in-head engines. 1 lb.		
	J 2679—Remote Control Starter Switch All cars with Solonoid starters 1 lb.		
	J 2730—Valve Lifter Lock Ring Installer CAD—1948-50 All Models. ¼ lb.		
	J 2731—Cylinder Head Stud Tap (Rolled Type) PACK—1948 late models only. All 1949-50. 1¾ lbs.		
	J 2749—Water Pump Bushing Remover Burnisher & Replacer Set HUD—1936-47 All Models. 1¾ lbs.		
	J 2776—Timing Gear Cover Oil Seal Remover & Installer Set (Use with J 872-5 Handle) HUD—1933-50 All Models. 6¾ lbs.		
	**J 2778—Water Pump Holding Fixture** HUD—1948-50 All Models. 6¾ lbs.		
	J 2779—Main Bearing Packing Compressor HUD—1948-50—6 Cyl. 4¾ lbs.		
	J 2782—Engine Lift Bracket HUD—1948-50 All Models. 3¼ lbs.		
	J 2789—Piston Pin Remover & Installer HUD—1948-50—6 Cyl. 1 lb.		
	J 2790 Piston Pin Bushing Remover & Replacer HUD—1948-50—6 Cyl. (Use with J 2950 Block) 1½ bs.		

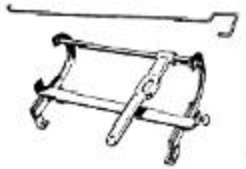
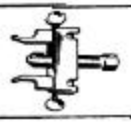
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2791—Piston Pin Bushing Broach & Burnisher** HUD—1948-50—6 Cyl. (Use with J 2950 Block) 2 lbs.		
	J 2793—Water Jacket Plug Installer HUD—1948-50—6 Cyl. 1¼ lbs.		
	J 2794—Oil Pump and Distributor Timing Gauge HUD—1948-50—6 Cyl. 1¼ lbs.		
	J 2799—Water Pump Adjusting Wrench NASH—1941-48 Series 40. ½ lb.		
	**J 2814—Valve Guide Remover** NASH—All Series 40. 1¾ lbs.		
	J 2945—Distributor Point Checking Scale STUDE—All Models; CAD—All Models. ¼ lb.		
	J 2948—Piston Pin Bushing Remover & Replacer HUD—1936-47 All Models, 1948-50—8 Cyl. (Use with J 2951 Block) 1 lb.		
	**J 2949—Piston Pin Bushing Burnisher** HUD—1936-47 All Models, 1948-50—8 Cyl. (Use with J 2951 Block) 2½ lbs.		
	J 2950—Piston Pin Bushing Burnisher Block HUD—1948-50—6 Cyl. (Use with J 2790 & J 2791 Burnisher) 2½ lbs.		
	J 2951—Piston Pin Bushing Burnisher Block HUD—1936-47 All Models, 1948-50—8 Cyl. (Use with J 2948 & J 2949 Burnisher) 2½ lbs.		
	J 2955—Main Bearing Cap Remover HUD—1935-50 All Models. 2 lbs.		
	J 2959—Oil Pump Drive Gear Puller STUDE—All Champs., M5, M15, M15A, R5, R10, & R15 Trucks. ¾ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2966—Valve Lifter Tester CAD—1936-48 All Models. ½ lb.		
	**J 2967—Engine Lifting Attachment** CHEV—1949 Pass. Cars Trucks. 5¾ lbs.		
	J 2969—Cylinder Head & Transmission Installing Pins (2) HUD—1948-50—6 Cyl. Engines, All Model Transmissions. ¼ lb.		
	**J 2999-A—Water Pump Seal Seat Refinisher** CAD—1949-50 All Models. 3½ lbs.		
	J 3046—Generator Belt Adjusting Tool CAD—1949-50 All Models. ¼ lb.		
	J 3048-A—Rear Main Bearing Oil Seal Installer CAD—1949-50 All Models. 4¾ lbs.		
	J 3049—Valve Lifter Remover CAD—1949-50 All Models. ½ lb.		
	J 3059—Valve Guide Reamer (.345") PACK—1935-50 All Models. ¼ lb.		
	J 3060—Valve Guide Reamer (.341") (Roughing) OLDS—1934-48 All Series, 1949-50—6 Cyl., 1949-50—8 Cyl. intake; CHEV—All Pass. Cars & Trucks. ½ lb.		
	J 3062—Valve Stem Guide Remover CAD—1936-50 All Models. ¾ lb.		
	J 3063—Camshaft Bearing Remover & Replacer Set CAD—1949-50 All Models. 15¼ lbs.		

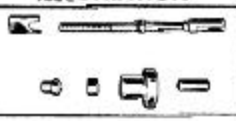
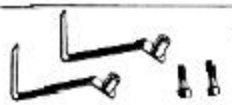
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 3064—Cylinder Head Holder & Valve Spring Compressor** CAD—1949-50 All Models. OLDS—Rocket Engine (Requires J 3217 Adapter). 9½ lbs.		
	J 3066—Valve Stem Guide Installer CAD—1949-50 All Models. 3 lbs.		
	J 3068—Engine Support Fixture CAD—1949-50 All Models. 15 lbs.		
	J 3073—Valve Guide Counterbore Reamer CAD—1949-50 All Models. ¼ lb.		
	J 3074—Valve Lifter Tester CAD—1949-50 All Models. ¼ lb.		
	J 3080—Camshaft & Sprocket Remover CAD—1949-50 All Models. 3½ lbs.		
	J 3176—Hydraulic Valve Tappet Checking Tool PACK—All Models with Hydraulic Valve Lifters. 1¼ lbs.		
	J 3210—Connecting Rod Aligner All Makes—All Models. This new aligner will accurately check connecting rods, with bore sizes from 1¾" to 3" and up to 14" in length. 30 lbs.		
	**J 3211-A—Water Pump Impeller Puller** CAD—1949-50 All Models. 1 lb.		
	J 3217—Valve Holder Adapter Plate (Use with J 3064 for OLDS Rocket Heads) OLDS—1949-50 Rocket Engine. 4 lbs.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 3224—Connecting Rod Bolt Guide Set CAD—1949-50 All Models. 2 ozs.		
	J 3233-A—Carburetor Tool Set BUICK—All Models. 2¼ lbs.		
	J 3249—W/P Shaft Installer and Hub Spacer CAD—1949-50 All Models. 1¼ lbs.		
	J 3261—Carburetor Tool Set STUDE—All Models. 2¾ lbs.		
	J 3273—Shank and Cutter set (part of w/p seal seat refinisher J 2999-A) CAD—1950 All Series. 1½ lbs.		
	HUDSON **J 3288—Master Carburetor Tool Set** BUICK, CAD, CHEV, HUD, NASH, OLDS, PACK, PONT, STUDE — Includes tool application chart for Carter and Stromberg carburetors. Packed in leatherette case — not illustrated. 9¾ lbs.		
	HUDSON **J 3360—Asbestos Arm Shields** All Makes—All Models. 2 lbs.		
	J 3455—Cylinder Head Guide Stud Set CAD—1949-50 All Models; OLDS—Rocket Engines. ¼ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 3848—Piston Pin Fitting Fixture** CAD—1950 All Models. 4½ lbs.		
	J 3955—Distributor Point Setting Tool All Delco Distributors—This Unit provides the most accurate means of checking the Distributor Point Opening of Delco passenger car Distributors. ¾ lb.		
	J 4139—Fan Belt Adjusting Adapter OLDS—1949-50 "Rocket" Engines. ¾ lb.		
	**J 4159—Cylinder Head Removing Handles** CAD—1949-50 All Models. 2½ lbs.		
	J 4170—Generator Belt Adjusting Tool OLDS—1949-50 "Rocket" Engines. 1 lb.		
	J 4172—Distributor Bushing Remover—Replacer and Burnisher NASH—OLDS—STUDE—All Oil Reservoir Type Delco Distributor. 2 lbs.		
	J 4176—Front Cover Oil Seal Remover OLDS—1949-50 "Rocket" Engines. ¾ lb.		
	J 4177—Front Cover Oil Seal Replacer OLDS—1949-50 "Rocket" Engines. 4¼ lbs.		
	J 4182-A—Voltage Regulator and File Set STUDE—1950 Commanders. ¾ lb.		
	J 4186—Carburetor Float Level Gauge CHEV—1950 for Rochester Products Carburetor. 1 oz.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4266—Cylinder Head Assembly Hooks OLDS—1949-50 "Rocket" Engines. 2¾ lbs.		
	J 4274—Hydraulic Valve Lifter Assembly Tool CHEV—All Models with Powerglide Trans. 2 ozs.		
	J 4291—Piston Ring Compressor (3-3/16") BUICK—1950 Super Series ¾ lb.		
	J 4387—Valve Seat Cutter Set CHEV—1950 235 Cu. In. Engine. (Use with KMO 105-B) 5 lbs.		
	J 4396—Accelerator Pedal Depressor OLDS—1950 All Models. ¼ lb.		
	J 4460—Piston Ring Compressor (3-9/16") PONT—All 6 Cyl. Models. ¾ lb.		
	J-4461—Piston Ring Compressor (3-1/4") PONT—1937-49 8 Cyl. ¾ lb.		
	J 5091—Gas-Per-Mile Gauge (Mileage Tester) HUDSON (Complete with hoses and Operating Instructions) Includes fittings for: BUICK, CAD, CHEV, CHRY, DODGE, DE SOTO, HUDSON, K.F., NASH, OLDS, PONT, PLYM, PACKARD, STUDE—Champ & Comm. 11¾ lbs.		

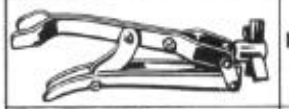
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 105-B—Valve Reseater Set Consists of: KMO 49-7 —Turning Wrench. KMO 49-9 —Pilot Expander. KMO 49-10—Expanding Pilot (intake). KMO 49-11—Expanding Pilot (exhaust). KMO 105-1—Finishing Cutter 30° x 1¾" (intake). KMO 105-2—Finishing Cutter 30° x 1$^{17}/_{32}$" (exhaust). KMO 105-3—Roughing Cutter 80° x 1$^{5}/_{16}$" (exhaust). KMO 105-4—Roughing Cutter 12° x 1$^{5}/_{16}$" (exhaust). KMO 105-5—Roughing Cutter 10° x 1⅞" (intake). KMO 105-6—Roughing Cutter 65° x 1$^{33}/_{64}$" (intake). KMO 105-7—Over-cut Reseating Cutter (for intake). Metal Box & Filler. CHEV—1935-49 All Pass. Cars & Trucks. 7½ lbs.		
	KMO 122—Valve Guide Cleaner HUDSON All Cars—All Models. ¼ lb.		
	KMO 144—Fuel Pump Tester—Sun HUDSON All Cars—All Models. 3 lbs.		
	KMO 187-1—Cylinder Head Wrench Attachment (¾" Box—½" Drive) BUICK—1935-50 Series 60—70—80—90, 1941-50 Series 40—50; CHEV—All Pass. Cars & Trks. (Ex. Center Bolts) ¾ lb.		
	KMO 187-3—Cylinder Head Wrench Attachment (⅝" Box—½" Drive) BUICK—1935-40 Series 40—50. 1 lb.		
	KMO 187-10—Cylinder Head Wrench (wide sweep) (¾" Box—½" Drive) CHEV—All Passenger Car & Truck Center Bolts except 1950 235 Cu. In. Engine. ¾ lb.		
	KMO 213—Cylinder Compression Tester—Sun HUDSON All Cars—All Models. 1¾ lbs.		
	KMO 230—Distributor Cap Terminal Cleaner HUDSON All Cars—All Models. ¼ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 233-B—Tappet Feeler Gauge (.011" & .013") PONT—All Models. ¼ lb.		
	KMO 242-A—Connecting Rod Bolt Socket (part of J 1498-A) (Hex Type) CAD—1938-48 All Models. 2 ozs.		
	KMO 267-B—Carburetor Tool Set PONT—All Models. 1¾ lbs.		
	KMO 268—Carburetor Tool Set CHEV—All Models except Rochester Carburetors. 1¾ lbs.		
	KMO-297—Perfect Circle Piston Ring Expanders KMO 297-A—3¼" KMO 297-B—3⅜" KMO 297-C—3½" KMO 297-D—3⁷⁄₁₆" KMO 297-E—3⁹⁄₃₂" KMO 297-F—3⁹⁄₁₆" KMO 297-G—3⅝" KMO 297-H—3¹¹⁄₁₆" KMO 297-I—3⅞" KMO 297-J—4⅛" KMO 297-K—4⅜" KMO 297-L—3" KMO 297-M—3¹⁄₁₆" KMO 297-N—3⅛" KMO 297-O—4¹³⁄₁₆" KMO 297-P—3⅝" KMO 297-Q—3¼" KMO 297-R—3¹³⁄₁₆" ½ lb. ea.		
	KMO 314—Water Pump Bushing Reamer NASH—1938-48 All Series. ¼ lb.		
	KMO 318—Engine Timing Light—Sun All Cars—All Models. 3 lbs.		
	KMO 357—Piston Ring Compressor All Cars—All Models. Range—2⅛" to 5". ½ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 462—Oil Line Cleaning Brush Set (5) All Cars—All Models. 2 lbs.		
	KMO 464—Piston and Valve Rack All Cars—All Models. 11¼ lbs.		
	KMO 467—Valve Feeler Gauge (.017"—.018"—.019") BUICK—All Models except Engines with Hydraulic Lifters. ½ lb.		
	**KMO 484—Valve Spring Lifter** HUD—1937-50 All Models. 1½ lbs.		
	KMO 486—Stud Wrench (5/16" to 5/8") All Cars—All Models. 1 lb.		
	KMO 495—Piston Ring File All Cars—All Models. 1½ lbs.		
	KMO 496—Connecting Rod Aligner & Bending Fixture All Cars—All Models. Range—1½"-2⅝". 25 lbs.		
	KMO 500—Bearing Oil Leak Detector All Cars Except CHEV. 11½ lbs.		
	KMO 505—Battery Terminal Cleaning Brush All Cars—All Models. ¼ lb.		

Ordered 7/7/50

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 506-A—Voltage Regulator Gauge & File Set All Cars with Delco Voltage Regulators. ¾ lb.		
	KMO 555—Piston Pin Hone Range ⅞" to 1 5/16". 1 lb.		
	KMO 555-4—Hone Blades Range 1" to 1-1/16" (Use with KMO 555 Hone) CAD—1949 All Series. ½ lb.		
	KMO 584—Piston Ring Compressor (3-3/32") BUICK—1934-50 40—50 Series with U-Flex Rings. ¼ lb.		
	KMO 585—Piston Ring Compressor (3-7/16") BUICK—1934-50 60—70—80—90 Series with U-Flex Rings. ¼ lb.		
	KMO 598—Cooling System Leak Detector All Cars—All Models. 1 lb.		
	KMO 607—Valve & Clutch Spring Tester (For springs up to 7" long x 2½" dia.—4 to 400 lbs.) All Cars—All Models. (Use with Tension Wrench) 6½ lbs.		
	KMO 613—Fuel Pump Diaphragm Flexing Tool BUICK—1938-49 All Models; STUDE—All Models with Combination Fuel & Vacuum Pump. ½ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 631—Cylinder Checking Gauge (2½" to 6") All Cars—All Models. 1¾ lbs.		
	KMO 638—Cylinder Ridge Cutter Range 2.6" to 4.750". All Cars—All Models. 3 lbs.		
	KMO 641—Valve Key Catcher STUDE—All Models. 2 ozs.		
	KMO 642—Valve Lifter All Cars with "L" Head Engines. CHEV—1950 216 and 235 cu. in. Engines. 6 lbs.		
	KMO 643—Distributor Point Aligning Tool STUDE—All Models. ¼ lb.		
	KMO 655—Fuel Pump Filter Bowl Nut Wrench BUICK—1938-50 All Models. ¾ lb.		
	KMO 707—Fuel Pump Rocker Arm Dummy Pin BUICK—All Models; STUDE—All Models with Combination Fuel & Vacuum Pump. 1 oz.		
	KMO 712—Piston Ring Compressor (3⅜") CAD—1936 Series 60, 1937-40 Series 50, 1940 Series 52; PONT—1950 8 Cyl. ¾ lb.		
	KMO 713—Piston Ring Compressor (3½") CAD—1936-48 All Models (Except 1936 Series 60). ¾ lb.		
	KMO 734—Main Bearing Insert Remover HUD—1948-50 6 Cyl. 2 ozs.		

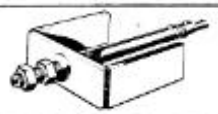
ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 740—Piston Ring Compressor (3-13/16") CAD—1949-50 All Models. ¾ lb.		
	KMO 754—Piston Pin Hone CAD—1936-49 All Models. OLDS—1949-50 "Rocket" Engines. 1 lb.		
	HUDSON **KMO 913—Cylinder Checking Gauge** Range 2½" to 6". All Cars—All Models. 2½ lbs.		
	KMO 916—Oil Strainer Installer STUDE—All Commanders & R-16, R-17 Trucks built after Aug. 1949. ¾ lb.		
	HUDSON **KMO 967—Valve Lapper (Air Operated)** All Makes—All Models. 4 lbs.		
	HUDSON **KMO 1000-A—Cylinder Hone** Range 2.6" to 5½". (Includes set of course and finishing stones) All Cars—All Models. 11¾ lbs.		
	KMO 1043-B—Key to Chevrolet Performance CHEV—All Pass. Cars and Trucks. ½ lb.		
	KMO 7004—Carbon Removing Brush (Use with ¼" drill) All Cars—All Models. HUDSON ¼ lb.		

ENGINE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	PR 131—Valve Stem Guide Reamer (.3125") PONT—All Models. ½ lb.		
	T 126-R—Crankshaft Gear Puller CHEV—All Pass. Cars & Trucks. 3¼ lbs.		

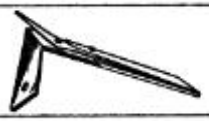
CONVENTIONAL CLUTCH—*Also includes Pilot Bearing & Clutch Pedal Tools*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 164—Clutch Shaft Pilot Bearing Remover BUICK—All Models; PONT—1941-50 All Models; OLDS—1934-38 All Series; PACK—1935-47—6 Cyl. & 120 Models—1948—6 Cyl., 1948-50; 8 & Super 8; STUDE—All Models. 3 lbs.		
	J 285—Clutch Aligning Gauge NASH—1938-39 Early 1940—All Series; OLDS—1934-38 All Series. 3½ lbs.		
	J 285-C—Clutch Finger Equalizer Gauge CAD—1937-50 Conventional Clutch. 4 lbs.		
	J 449—Clutch Aligning Arbor HUD—All Models. 2 lbs.		
	J 472—Filler Plug Wrench HUD—1933-50 All Models. 1½ lbs.		
	J 489—Clutch Shaft Pilot Bearing Remover PACK—1940-50 Custom 8. 10 ozs.		
	J 774—Finger Adjusting Gauge HUD—1933-50 All Models. 4¼ lbs.		
	J 857—Clutch Guide Pins (3) BUICK—1934-48 Series 60—70—80—90. ¼ lb.		
	**J 877-A—Clutch Pilot Bearing Puller** HUD—1936-50 All Models. 1 lb.		
	J 1013—Release Lever Adjusting Fixture BUICK—1934-48 Series 60—70—80—90. ¼ lb.		
	J 1031—Clutch Aligning Arbor CAD—1937-50 Conventional Clutch. 4 lbs.		

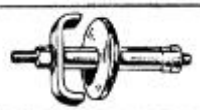
CONVENTIONAL CLUTCH—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1036—Release Lever Adjusting Gauge BUICK—1939-48 Series 60—70—80—90. 2 lbs.		
	J 1039—Cover Spring Assembly Set BUICK—1939-50 Series 40—50. 1½ lbs.		
	J 1048—Finger Setting Gauge OLDS—1939-48 All Series—1949—6 Cyl. 1950—Series 76 Conventional Clutch. 3½ lbs.		
	J 1418-A—Clutch Pilot Bushing Remover NASH—All Series. 3 lbs.		
	J 1421—Synchro Clutch Snap Ring Installer NASH—1939 All Series. ¼ lb.		
	J 1425—Clutch Aligning Tool NASH—1936-37 All Series. 1 lb.		
	J 1435—Clutch Aligning Tool NASH—1938-50 Series 10—20—60—80. 1¼ lbs.		
	J 1441—Pedal Shaft Aligning Tool CHEV—1940-48 Pass. Cars & ½ Ton Trucks. ¼ lb.		
	J 1448—Clutch Pilot Bronze Bearing Puller OLDS—All 1939-49, 1950 Series 76 Conventional Clutch; CHEV—All Pass. Cars & Trucks with Bronze Bearings. ¾ lb.		
	J 1507-A—Clutch Adjusting Gauge NASH—1940-50 All Series. 3 lbs.		
	J 1522-A—Clutch Pilot Bearing Driver CHEV—1947-50 Pass. Cars & Trucks with Bronze Bearings. 2¼ lbs.		
	J 1625—Clutch Aligning Tool NASH—1941-50 Series 40. 1½ lbs.		

CONVENTIONAL CLUTCH — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1650—Over-Center Spring Lever Gauge NASH—1941 Series 60—80. 1½ lbs.		
	J 1675—Over-Center Spring Holding Tool NASH—1941 Series 60—80. 1 lb.		
	J 2045—Clutch Aligning Gauge STUDE—All Models. 1¼ lbs.		
	**J 2124—Throwout Collar Run-Out Indicator** PONT—All Synchro Trans. ¾ lb.		
	J 2157—Clutch Pilot Bearing Replacer STUDE—All Models. 3 lbs.		
	J 2207—Toggle Lever Setting Gauge STUDE—All Models. ¾ lb.		
	J 2581—Clutch Driven Plate Aligning Arbor PACK—1939-50 All Models. 5¾ lbs.		
	J 2584—Clutch Lever Height Gauge NASH—All Series 40. ½ oz.		
	J 2619-A—Slide Hammer Assembly (Use with J-4383 for Cadillac) 9¾ lbs.		
	J 2956—Over-Center Spring Remover & Installer HUD—1939-50 All Models. 2½ lbs.		
	J 2985—Clutch Pilot Bearing & Retainer Installer CAD—1949-50 All Series. 1¾ lbs.		
	J 4383—Clutch Pilot Bearing Puller (Use with J 2619-A Slide Hammer Assy.) CAD—1940-50 All Series. ¾ lb.		

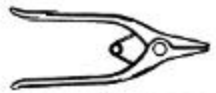
CONVENTIONAL CLUTCH — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4389—Clutch Finger Setting Gauge OLDS—1950 Syncro-Mesh Trans. 1¼ lbs.		
	K 410—Clutch Pilot Bearing Replacer CHEV—1937-46 Pass. Cars & Trucks. 6½ lbs.		
	K 411—Clutch Aligning Tool CHEV—All Pass. Cars & Trucks. 5 lbs.		
	**K 445-B—Clutch Pilot Bearing Retainer Puller** CHEV—1939-46 Pass. Cars & Trucks. 8¼ lbs.		

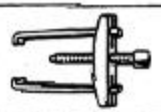
STANDARD TRANSMISSION—*Also includes Flywheel Housing, Universal Joint & Companion Flange Tools*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 358-1—Press Plate Holder (Use with Kent-Moore Press Plates) HUDSON 2¾ lbs.		
	J 448-5—Mainshaft Intermediate Gear Retainer Replacer HUD—1933-40 All Models. HUDSON 1¾ lbs.		
	J 466—Countershaft Line Reamer HUD—1933-40 All Models. HUDSON 1 lb.		
	J 531—Countershaft Assembly Tool OLDS—1934-48 Std. Trans., 1949-50—6 Cyl. Std. Trans. 2 lbs.		
	J 682-A—U-Joint Puller BUICK—1936-50 Series 40—50. 2½ lbs.		
	J 808-A—Flywheel Housing Alignment Tool Set (with 12 Dowels, less Dial Indicator Set) BUICK—All Models. 2 lbs.		
	J 808-B—Flywheel Housing Alignment Tool Set (with 12 Dowels and Dial Indicator Set) BUICK—All Models. 3½ lbs.		
	J 820—U-Joint Companion Flange Puller HUD—1933-50 All Models. HUDSON 2 lbs.		
	J 851—Transmission Guide Pins (2) BUICK—All Models. ¼ lb.		
	J 855—U-Joint Replacer BUICK—1936-50 Series 60—70—80—90. 2 lbs.		
	J 859-A—U-Joint Puller BUICK—1936-50 Series 60—70—80—90. 2½ lbs.		

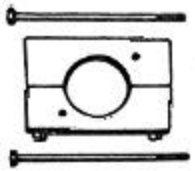
STANDARD TRANSMISSION—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 865—U-Joint Replacer BUICK—1936-50 Series 40—50. 2 lbs.		
	J 881-A—U-Joint Clamp STUDE—All Models; HUD—All Models. HUDSON 2 lbs.		
	**J 932—Synchronizing Ring Retaining Spring Remover & Replacer** CHEV—All Pass. Cars & ½ & ¾ Ton Trucks with 3-Speed Trans. ¾ lb.		
	J 933—Clutch Gear Bearing Retainer Wrench CHEV—All Pass. Cars & ½ & ¾ Ton Trucks with 3-Speed Trans. ½ lb.		
	J 934—Transmission Assembly Holding Stand CHEV—All Pass. Cars, ½ & ¾ Ton Trucks with 3-Speed Trans. 8 lbs.		
	J 936—Clutch Gear Bearing Remover Plate (Use with J 358-1 Holder) CHEV—All Pass. Cars, ½ & ¾ Ton Trucks with 3-Speed Trans. 2 lbs.		
	J 937—Clutch Gear & Bearing Puller CHEV—1937-46 Pass. Cars, ½ & ¾ Ton Trucks with 3-Speed Trans. 5 lbs.		
	J 938-A—Mainshaft Remover & Replacer CHEV—All Pass. Cars, ½ & ¾ Ton Trucks with 3-Speed Trans. 5 lbs.		
	J 994—Countershaft Front Bearing Remover & Replacer (Also used as Differential Side Bearing Driver) CHEV—1948-50 1½, 2 Ton Trucks & ½, ¾ & 1 Ton Trucks with 4-Speed Synchro Trans. 7½ lbs.		
	J 1001—Countergear Needle Bearing Loader BUICK—1937-48 Series 60—70—80—90. 1¼ lbs.		
	J 1010—Reverse Idler Gear Shaft Remover OLDS—1950 Synchro Mesh Trans. ½ lb.		

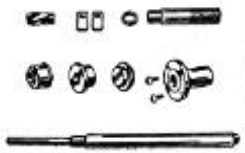
STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1041—Mainshaft Snap Ring Remover BUICK—1939 All Series; OLDS—1939-50 Std. Trans.; PONT—All Synchro Trans. ¾ lb.		
	J 1044—Gear Shift Lever Remover OLDS—1939 Std. Trans.; PONT—All Synchro Trans. ¼ lb.		
	J 1050—Rear Bearing Housing Oil Seal Replacer OLDS—1937-48 Std. Trans.; 1949-50 6 Cyl. Std. Trans. 3 lbs.		
	J 1126—Transmission Guide Pin Set (2) ½" x 13 Thd. OLDS—1937-39 Auto. Trans.; CHEV—All Pass. Cars & Trucks Except Powerglide Models. ½ lb.		
	J 1130—Spline Shaft Snap Ring Remover PONT—All Synchro Trans. 1 lb.		
	J 1130-O—Spline Shaft Snap Ring Remover OLDS—1938-49 Std. Trans. 1950—Series 76. 1 lb.		
	**J 1134-H—Mainshaft & Drive Gear Bearing Remover** BUICK—1940-50 All Series; HUD—1941-50 All Models. 8 lbs.		
	J 1168—Shifter Shaft Spring & Ball Installer OLDS—1950 Synchro-Mesh Trans. ½ lb.		
	J 1169—Shifter Lever Shaft Cork Seal Installer OLDS—1950 Synchro-Mesh Trans. 1½ lb.		
	J 1184—Cluster Gear Countershaft Remover & Installer OLDS—1950 Synchro-Mesh Trans. 1½ lb.		
	J 1204-A—Shifter Lever Adjuster CAD—1938-41 All Models. 1 lb.		
	J 1267—Spline Shaft Snap Ring Replacer BUICK—1937-48 Series 60—70—80—90; OLDS—1938-49 Std. Trans.; 1950 Series 76. 1 lb.		

STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 1298-B—Transmission Front & Rear Bearing Remover** STUDE—All Pass. Cars Except Models with Automatic Trans. & M5 & R5 Trucks. 3½ lbs.		
	J 1298-NA—Transmission Front Bearing Remover NASH—1941-42 Series 40, 1949-50 Series 60. 3½ lbs.		
	J 1308-B—Shift Rod Adjusting Gauge STUDE—All Pass. Cars Except Models with Automatic Trans. & M5, R5 & R10 Trucks. ¾ lb.		
	J 1334—Countershaft Needle Bearing Loader BUICK—1940-50 Series 40—50; PONT—All Synchro Trans. 1¼ lb.		
	J 1354—Rear Bearing Oil Seal Installer NASH—1949-50 Hydra-Matic; OLDS—1942-50 Hydra-Matic, 1950 8 Cyl. Std. Trans.; PONT—1948-50 Hydra-Matic. 3¾ lbs.		
	J 1375-A—Companion Flange Replacer NASH—1938-40 All Series, 1941-42 Series 80, 1941-50 Series 60. 4½ lbs.		
	J 1390—Shift Gear Segment Aligning Pin NASH—1940-49 All Series. 1 oz.		
	J 1409—Transmission Rear Bearing Snap Ring Locating Levers (2) NASH—1938-40 All Series. ½ lb.		
	J 1410—Shift Collar Centering Gauges (2) NASH—1938-40 All Series, 1941-42 Series 80, 1941-48 Series 60. 2 ozs.		
	J 1412—Companion Flange Remover NASH—1938-40 All Series, 1941-42 Series 80, 1941-48 Series 60. 1¾ lbs.		
	J 1413-A—Transmission Holding Stand NASH—All Models. 8 lbs.		
	J 1415-A—Countershaft Assembly Tool NASH—1938-48 Series 10—20—60—80. 2½ lbs.		

STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1434—Transmission Guide Pins (2) NASH—All Models. ¼ lb.		
	J 1449—Countershaft Needle Bearing Loader OLDS—1939-49 Std. Trans., 1950 Series 76. 1¼ lbs.		
	**J 1450-B—Rear Bearing Extension Bushing Service Set** OLDS—All Std. & Hydra-Matic Except 1950 8 Cyl. 23 lbs.		
	J 1452-5—Vacuum Cylinder Adjusting Bushing CHEV—1940-48 Pass. Cars. 1½ ozs.		
	J 1453—Clutch Gear Bearing Replacer (Use with J 358-1) CHEV—1948-50—All 1½ & 2-Ton Trucks, also ½, ¾ & 1-Ton Trucks with 4-Speed Synchro. 1 lb.		
	J 1488—Rear Bearing Retainer Oil Seal Driver (Also used as Differential Case Bearing Driver) CHEV—1948-50—All 1½ & 2-Ton Trucks, also ½, ¾ & 1-Ton Trucks with 4-Speed Synchro. 7½ lbs.		
	J 1499—Mainshaft Snap Ring Installing Set HUD—1940-47 All Models. 3½ lbs.		
	J 1525—Transmission Pinion Thrust Yoke (Synchronizer Ring Protector) NASH—1941-42 Series 40; STUDE—1939-46 Champ. 2¾ lbs.		
	J 1526—Synchronizer Ring Protector STUDE—1940-42 Comm. & Pres. 1¼ lbs.		
	J 1542—Shift Collar Centering Gauges (2) NASH—1946-49 Series 40 to K-298081. ¼ lb.		
	J 1556—Transmission & Rear Axle Oil Seal Installer NASH—1941-42 Series 80, 1941-48 Series 60. 8½ lbs.		

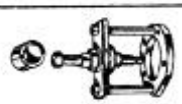
STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1568—Overdrive Gear Bushing Remover & Replacer HUD—1941-47 All Models. 2½ lbs.		
	J 1569—Main Drive Gear Oil Seal Replacer HUD—1941-50 All Models. 4½ lbs.		
	J 1570—Mainshaft & Drive Gear Bearing Replacer HUD—1941-50 All Models. 2½ lbs.		
	J 1571-A—Shifter Fork Indexing Tool HUD—1941-47 All Models. ¼ lb.		
	J 1595—Countershaft Assembly Tool NASH—1938-48 Series 10—20—60—80, 1942 Series 40. 1½ lbs.		
	J 1600-A—Transmission Speedfinder Depressor & Aligner NASH—1941 Series 60—80. 1½ lbs.		
	J 1609—Manual Lever Gauge OLDS—1941-48 Series 60—70—Std. Trans. (Closed Bodies). ¼ lb.		
	J 1614—Reverse Idler Gear Bushing Remover & Replacer (Also used as Pitman Shaft Bushing Driver) CHEV—1948-50 1½ & 2 Ton, also ½, ¾ and 1 Ton Trucks with 4-Speed Synchro. 2¾ lbs.		
	J 1617—Countershaft Assembly Tool CHEV—1941-50 ½ & ¾ Ton Trucks with 3-Speed Trans. ¾ lb.		
	J 1619—Tran. Mainshaft Bearing Puller (Also used as Propeller Shaft Bearing Puller) CHEV—1941-46 ¾ & 1½ Ton Trucks. 7½ lbs.		
	J 1648—Mainshaft Bearing Installer NASH—1941-50 Series 40. 6 lbs.		

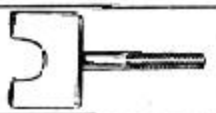
STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1662—Reverse Idler Gear Bushing Remover & Replacer CHEV—1937-47 ½, ¾, 1 & 1½ Ton Trucks with 4-Speed Trans. 2½ lbs.		
	J 1872—Manual Lever Gauge OLDS—1942-48 Series 60—90 Std. Trans. Convertibles. ½ lb.		
	J 2035—U-Joint Companion Flange Holding Tool STUDE—All Models. 3½ lbs.		
	J 2038—Transmission Rear Flange Oil Seal Replacer (Use with J 872-5 Handle) STUDE—All Pass. Cars, M5 & R5 Trucks. 1¾ lbs.		
	J 2039—Synchronizer Ring Protector STUDE—14A, 15A, 16A, 17A Except Models with Automatic Trans. & M5, R5 & R10 Trucks. 1¼ lbs.		
	J 2040—Synchronizer Ring Protector STUDE—6G, 7G, 8G & 9G Except Models with Automatic Trans. 1¼ lbs.		
	J 2169—Mainshaft Bearing Remover HUD—1933-40 All Models. 2¼ lbs.		
	J 2177—Transmission Assembly Pilot Shaft STUDE—1942-50 Comm and R5 and M5 Trks. 8 lbs.		
	J 2228—Clutch Gear Bearing Remover Plate (Also used as Pinion Inner Bearing Remover) (Use with J 358-1) CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 1 lb.		
	J 2494—Flywheel Housing Runout Checking Post CHEV—1937-50 Pass. Cars and Trucks. ¼ lb.		
	J 2541-A—Transmission Holding Stand .All Hydra-Matic Trans.; OLDS—Syncho-Mesh. 15½ lbs.		

STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2548—Flywheel Housing Alignment Tool Set (.522") OLDS—All Hydra-Matic & Std. Trans. Except "Rocket" Engines. 5¼ lbs.		
	J 2559—Countershaft Assembling Bar PACK—1939-50 All Models. 1¾ lbs.		
	J 2563—Second & Direct Speed Clutch Gear Clamp PACK—1939-50 All Models. ¼ lb.		
	J 2597—Torque Ball Installing Tool BUICK—1940-46 Series 60—70, 1947-50 All Series. 1 lb.		
	J 2623—Extension Housing Oil Seal Remover Collet CAD—1941-49 Std., 1946-50 Hydra-Matic; LINCOLN—1949-50 Hydra-Matic. 1½ lbs.		
	J 2632—Countershaft Assembly Tool NASH—1946-50 Series 40. 1½ lbs.		
	J 2633—Shifter Fork Shaft Seal Replacer NASH—1946-50 Series 40. 1 lb.		
	J 2659—Companion Flange Holding Tool PACK—1942-50 All Models. 3½ lbs.		
	**J 2667—Mainshaft & Bearing Assembly Remover & Replacer** CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 6½ lbs.		
	J 2668—Reverse Idler Gear Bushing Reamer 1.128" CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 3 lbs.		
	J 2669—Clutch Gear Remover CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 2¼ lbs.		

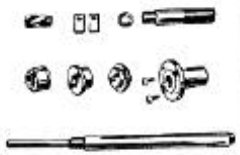
STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2670—Clutch Gear Bearing Retaining Nut Spanner Wrench CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 2 lbs.		
	J 2671—Third Speed Gear Bushing Installer CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 2½ lbs.		
	J 2680—Reverse Idler Gear Bushing Staking Tool CHEV—1948-50 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 1 lb.		
	J 2726—Extension Housing Oil Seal Remover Collet CAD—1937-40 Std., 1941-42 Hydra-Matic. 1½ lbs.		
	J 2808—Transmission Remover & Replacer (Use with Floor Jack) OLDS—1937-50 All Series; PONT—1948-50 Hydra-Matic; NASH—1949-50 Hydra-Matic. 9 lbs.		
	J 2895—Shifter Fork Lock Screw Remover BUICK—1936-50 All Series; OLDS—1936-49 Std. Trans., 1950—Series 76; PONT—All Synchro Trans. ¼ lb.		
	J 2969—Cylinder Head & Transmission Aligning Studs HUD—1948-50 6 Cyl. Engines; All Transmissions. ¼ lb.		
	J 2995—Clutch Shaft Bearing & Snap Ring Installer NASH—1941-50 Series 40—60, 1941-42 Series 80. 3¼ lb.		
	**J 3042—Transmission Thrust Yoke** NASH—1949-50 Series 60. 1 lb.		
	J 3185—Transmission Rear Bearing Snap Ring Remover CHEV—1937-50 Pass. Cars & ½ & ¾ Ton Trucks with 3-Speed Trans. ½ lb.		
	J 3227—Overdrive Governor Wrench PACK—1940-50 All Models with Overdrive. 1¼ lbs.		
	J 4390—Speedometer Gear Remover & Replacer (clutch gear bearing & mainshaft bearing replacer) (use with J 358-1) OLDS—1950 Synchro Mesh Trans. 1¼ lbs.		

STANDARD TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4455—Last Word Dial Indicator (For checking high gear hop-out) CHEV—1950 Standard transmission. ½ lb.		
	K 342—Speedometer Gear Remover Plate (Use with J 358-1 Holder) CHEV—1936-46 1½ Ton Trucks. 1½ lbs.		
	K 343—Speedometer Gear Replacer (Use with K 342 Press Plate and J 358-1 Holder) CHEV—1937-46 1½ Ton Trucks. 1½ lbs.		
	K 353—Gear Shift Lever Remover & Replacer CHEV—All 1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Trans. 1¾ lbs.		
	K 385—Countershaft Assembly Tool CHEV—All Pass. Cars, ½ & ¾ Ton Trucks (Except gears with needle bearings). 2 lbs.		
	KMO 338—Countershaft Gear Cluster & Idler Gear Bushing Reamer HUD—1941-47 All Models. 2 lbs.		
	KMO 349—Reverse Idler Gear Bushing Reamer CHEV—1937-46 1½ Ton Trucks with 4-Speed Trans. 3 lbs.		
	KMO 369—Governor Switch Spanner Wrench HUD—1942-47 All Models. 1½ lbs.		
	KMO 630—Snap Ring Pliers All Cars—All Models. ¾ lb.		
	KMO 670—Drivemaster Test Harness HUD—All Drivemaster Units. 1 lb.		
	TR 278-R—Countershaft Rear Bearing Remover (Also used as a Differential Side Bearing Puller) CHEV—1948-50—1½ & 2 Ton, also ½, ¾ & 1 Ton Trucks with 4-Speed Synchro. 5 lbs.		

HYDRA-MATIC TRANSMISSION

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1354—Rear Bearing Retainer Oil Seal Installer NASH—1949-50 Hydra-Matic; OLDS—1942-50 Hydra-Matic & 1950 8 Cyl. Std. Trans.; PONT—1948-50 Hydra-Matic. 3¾ lbs.		
	**J 1450-B—Rear Bearing Extension Bushing Service Set** OLDS—All Std. & Hydra-Matic Except 1950 8 Cyl. 23 lbs.		
	J 1458—Mainshaft Snap Ring Remover (Small) All Cars with Hydra-Matic. 6 ozs.		
	J 1459—Servo Band Adjusting Wrench OLDS—1940-42 Hydra-Matic; CAD—1941-42 Hydra-Matic. 5 ozs.		
	J 1463—Transmission Auxiliary Unit Stand CAD—1941-42 Hydra-Matic; OLDS—1941-42 Hydra-Matic. 5 lbs.		
	J 1464—Speedometer Drive Gear Spacing Gauge OLDS—1940-42 Hydra-Matic; CAD—1941-42 Hydra-Matic. 2 ozs.		
	J 1465—Mainshaft Endplay Dial Indicator Extension Rod All Cars with Hydra-Matic. 5 ozs.		
	J 1468—Carburetor to Bellcrank Gauge OLDS—1940 Hydra-Matic. 1 oz.		
	J 1470—Bellcrank to Cross Shaft Gauge OLDS—1940 Hydra-Matic. 2 ozs.		
	J 1537—Oil Delivery Sleeve Ring Compressor All Cars with Hydra-Matic. 11 ozs.		

HYDRA-MATIC TRANSMISSION—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1636-B—Transmission Hoist CAD—All Hydra-Matic; LINCOLN—1949-50 Hydra-Matic; PACK—All Models with "Ultra-Matic." 35 lbs.		
	J 1636-SA-5—Transmission Lifting Eye Bolt All Cars with Hydra-Matic Except 1950 Pontiac & Olds; PACK—"Ultra-Matic." ¾ lbs.		
	J 1653—Throttle Linkage Gauge CAD—1941 Hydra-Matic. ½ lb.		
	J 1654—Reverse Unit Bearing Driver CAD—1941-42 Hydra-Matic. 2 ozs.		
	J 1691—Rear Clutch Hub Retaining Tool OLDS—1940 Hydra-Matic. ¼ lb.		
	J 1693-A—Front Servo Gauge All Cars with Hydra-Matic. ¾ lb.		
	J 1776-A—Front Pump Cover Oil Seal Installer OLDS—1940-42 Hydra-Matic; CAD—All Hydra-Matic. 5¼ lbs.		
	J 1877—Clutch Hub Spacer OLDS—1942 Hydra-Matic. 14 ozs.		
	J 1942-A—Extension Rear Oil Seal Installer CAD—All Hydra-Matic; LINCOLN—1949-50 Hydra-Matic. 2 lbs.		
	J 2029—Throttle Lever Bending Tool OLDS—All Hydra-Matic; CAD—All Hydra-Matic. 2¼ lbs.		
	J 2144—Planet Pinion Service Tool Set OLDS—1940-42 Hydra-Matic. 1¾ lbs.		

HYDRA-MATIC TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2170—Front Pump Cover Oil Seal Installer OLDS—1946-50 Hydra-Matic; PONT—1948-50 Hydra-Matic; NASH—1949-50 Hydra-Matic; LINCOLN—1949-50 Hydra-Matic. 4 lbs.		
	J 2173—Front Drum Spacer OLDS—1946-50 Hydra-Matic; PONT—1948-50 Hydra-Matic. 1 lb.		
	J 2174—Rear Clutch Hub Retainer Bracket All Cars with Hydra-Matic. ¼ lb.		
	J 2175—Planet Pinion Swaging Set OLDS—1946-50 Hydra-Matic. 4½ lbs.		
	J 2182—Transmission Bearing Retainer Remover All Cars with Hydra-Matic. ¾ lb.		
	J 2183—Governor Flange & Pump Riveting Set All Cars with Hydra-Matic. 1 lb.		
	J 2184-A—Front Pump Holder & Socket Set All Cars with Hydra-Matic. 1¼ lbs.		
	J 2187—Front Planet Carrier Assembly Holder PONT—1948-50 Hydra-Matic; CAD—1946-50 Hydra-Matic; LINCOLN—1949-50 Hydra-Matic; NASH—1949-50 Hydra-Matic; OLDS—1946-50 Hydra-Matic. 3¾ lbs.		
	J 2190—Planet Assembly Holding Fixture OLDS—1940-50 Hydra-Matic. 5½ lbs.		
	J 2191—Speedometer Drive Gear Spacer OLDS—1946-50 Hydra-Matic; PONT—1948-50 Hydra-Matic; NASH—1949-50 Hydra-Matic. ¼ lb.		

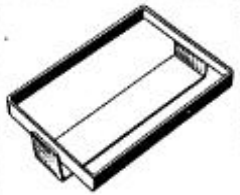
HYDRA-MATIC TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2195—Throttle Lever Checking Fixture OLDS—1946-50 Hydra-Matic. ½ lb.		
	J 2540—Pressure Checking Gauge All Cars with Hydra-Matic. 1¼ lbs.		
	J 2541-A—Transmission Holding Stand All Cars with Hydra-Matic and Olds Syncho-Mesh. 15½ lbs.		
	J 2544-A—Linkage Adjusting Pins (3) OLDS—1940-48 Hydra-Matic; PONT—1948-50 Hydra-Matic. ¼ lb.		
	J 2545—Throttle Lever Checking Gauge PONT—1948-50 Hydra-Matic; NASH—1949-50 Hydra-Matic. ½ lb.		
	J 2548—Flywheel Housing Alignment Tool Set (.522") OLDS—All Hydra-Matic & Std. Trans. Except "Rocket" Engines. 5¼ lbs.		
	J 2549—Torus Cover Hub Checking Fixture OLDS—All Hydra-Matic. 1¾ lbs.		
	J 2586—Torus Cover Hub Checking Gauge PONT—1948-50 Hydra-Matic. NASH—1949-50 Hydra-Matic. 1½ lbs.		
	J 2587—Transmission Mainshaft Endplay Guide OLDS—1946-50 All Hydra-Matic; PONT—1948-50 All Hydra-Matic; CAD—1946-50 All Hydra-Matic; NASH—1949-50 Hydra-Matic. 2½ lbs.		

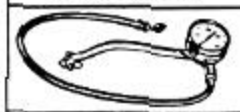
HYDRA-MATIC TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2623—Extension Housing Oil Seal Remover Collet CAD—1941-50 Standard, 1946-50 Hydra-Matic; LINCOLN—1949-50 Hydra-Matic. 1½ lbs.		
	J 2650—Reverse Gear Backlash Gauge All Cars with Hydra-Matic. ¼ lb.		
	J 2681-A—Servo Band Adjuster All Cars with Hydra-Matic. 2½ lbs.		
	J 2726—Extension Housing Oil Seal Remover Collet CAD—1937-40 Standard, 1941-42 Hydra-Matic. 1½ lbs.		
	J 2774—Flywheel-Crankshaft Dowel Pin Remover & Replacer Set PONT—1948-50 Hydra-Matic; NASH—1949-50 Hydra-Matic. 5¼ lbs.		
	J 2807—Throttle Lever Bending Tool PONT—1948-50 Hydra-Matic. 1½ lbs.		
	J 2808—Transmission Remover & Replacer (Use with Floor Jack) All Cars with Hydra-Matic. 9 lbs.		
	J 3065—Throttle Lever Checking Gauge CAD—1941-50 Hydra-Matic. 14 ozs.		
	J 3310—Throttle Lever Bending Tool NASH—1949-50 Hydra-Matic; LINCOLN 1949-50 Hydra-Matic. 1½ lbs.		

HYDRA-MATIC TRANSMISSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4158—Throttle Linkage Adjusting Pins NASH—1949-50 Hydra-Matic Trans. 2 ozs.		
	**J 4164—Hydra-Matic Adapter** (Used with Models "27" and "63" Transmission Hoist illustrated on Pages 32 and 33). 7½ lbs.		
	J 4179— Engine Support Tool NASH—1949-50 Hydra-Matic. 17¾ lbs.		
	J 4353—Hydra-Matic Clutch Air Checking Tool Set CAD—All Series with Hydra-Matic Trans. 6¼ lbs.		
	J 5071—Rear Servo Gauge All Cars with Hydra-Matic. ¼ lb.		
	KMO 334—Clutch Hub Torus Nut Wrench OLDS—1940 Hydra-Matic; CAD—1941-42 Hydra-Matic. 1½ lbs.		
	KMO 630—Snap Ring Pliers All Cars with Hydra-Matic. ½ lb.		

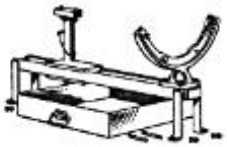
DYNAFLOW TRANSMISSION

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2575—Transmission Oil Pressure Gauge** BUICK—1948-50 All Series Dynaflow. 1 lb.		
	J 2590—Clutch Spring Compressor BUICK—1948-50 All Series Dynaflow. 6¼ lbs.		
	J 2591—Transmission Linkage Hook-Up Finger BUICK—1948-50 All Series Dynaflow. ¼ lb.		
	J 2592—Primary Stator Assembly Tool BUICK—1948-50 Series 70 Dynaflow. 1 oz.		
	J 2595—Transmission Band Installing Clip BUICK—1948-50 All Series Dynaflow. ¾ lb.		
	J 2596—Converter Clearance Gauge BUICK—1948-50 Series 70 Dynaflow. 1½ lbs.		
	J 2648—Transmission Feeler Gauge BUICK—1948-50 All Series Dynaflow. 3 ozs.		
	J 2655—Transmission Access Cap Removing Tool BUICK—1948-50 All Series Dynaflow. 6 ozs.		
	J 2657—Transmission Anchor Piston Gauge BUICK—1948-50 All Series Dynaflow. ½ oz.		
	J 2996—Dynaflow Planet Carrier Bushing Replacer BUICK—1948-50 All Series Dynaflow. 1½ lbs.		
	J 2997—Dynaflow Rear Bearing Retainer Bushing Remover & Replacer BUICK—1948-50 All Series Dynaflow. 2½ lbs.		
	J 3045—Converter Clearance Gauge BUICK—1949-50 Series 50 Dynaflow. 1¾ lbs.		

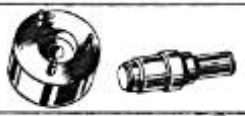
DYNAFLOW TRANSMISSION—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 3081—Primary Stator Assembly Tool BUICK—1949-50 Series 50 Dynaflow. 1 oz.		
	J 3085—Shift Control Linkage Adjustment Gauge BUICK—1948-50 All Series Dynaflow. ¼ lb.		
	J 3175—Dynaflow Case Bushing Remover and Replacer BUICK—1948-50 All Series Dynaflow. 10½ lbs.		
	J 3197—Dynaflow Planet Carrier Bushing Remover BUICK—1948-50 All Series Dynaflow. ¾ lb.		
	J 3961—Dynaflow Adapter for Model "63" Transmission Hoist This unit is used with Model "63" Transmission Hoist when removing or replacing Dynaflow Transmissions. Refer to page 32 for Model "63" illustration. 10 lbs.		
	J 4238—Dynaflow Adapter for Model "27" Transmission Hoist This adapter is used with the Model "27" Floor Jack when removing or replacing Dynaflow Transmissions. Refer to page 33 for Model "27" illustration. 8½ lbs.		
	J 4420—Flywheel Turning and Drain Plug Wrench BUICK—All Dynaflow Transmissions. 1 lb.		

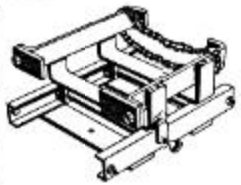
CHEVROLET POWERGLIDE TRANSMISSION

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 3361—Transmission Assembly Fixture** All Models with Powerglide Trans. 54¾ lbs.		
	J 3362—Stator Race Installer All Models with Powerglide Trans. ¾ lb.		
	J 3364—Clutch Spring Compressor All Models with Powerglide Trans. ¾ lb.		
	J 3365—Servo Ring Compressor All Models with Powerglide Trans. ½ lb.		
	J 3377—Reverse Servo Piston Apply Spring Compressor All Models with Powerglide Trans. ¾ lb.		
	J 3383—Parking Lock Pawl Spring Remover & Replacer All Models with Powerglide Trans. ¾ lb.		
	J 3387—Transmission Pilot Stud Set All Models with Powerglide Trans. ½ lb.		
	J 4240—Front Pump Seal Driver All Models with Powerglide Trans. 4¼ lbs.		
	J 4245—Accumulator Retaining Snap Ring Pliers All Models with Powerglide Trans. ¼ lb.		
	J 4260-A—Transmission End Clearance Gauge All Models with Powerglide Trans. 2¾ lbs.		
	J 4261—Modulator Assembly Tool All Models with Powerglide Trans. 2 oz.		

CHEVROLET POWERGLIDE TRANSMISSION — Continued

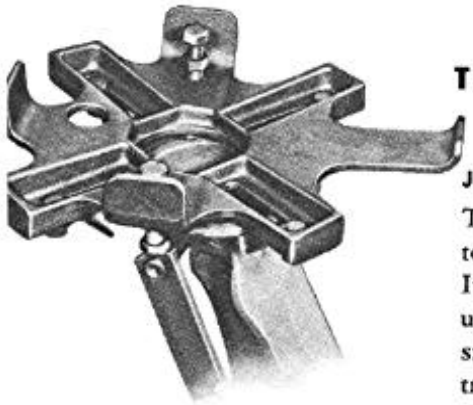
ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4262—Transmission Lifting Sling All Models with Powerglide Trans. ¼ lb.		
	J 4263—Front Pump Driver All Models with Powerglide Trans. 9¾ lbs.		
	J 4264—Transmission Oil Filler Tube and Funnel All Models with Powerglide Trans. 2¼ lbs.		
	J 4268—Transmission Oil Pressure Gauge All Models with Powerglide Trans. 1¼ lbs.		
	J 4275—Transmission Rear Bearing Remover All Models with Powerglide Trans. 3½ lbs.		
	J 4276—Transmission Rear Bearing Installer All Models with Powerglide Trans. 5¾ lbs.		
	J 4277—Servo Band Adjusting Wrench All Models with Powerglide Trans. 1¼ lbs.		
	J 4279—Transmission Hoist All Models with Powerglide Trans. 24 lbs.		
	J 4281—Flywheel Indexing Tool All Models with Powerglide Trans. 3 lbs.		
	**J 4375—Turbine Bushing Remover and Replacer Set** All Models with Powerglide Trans. 6¼ lbs.		
	KMO 410—Snap Ring Pliers All Models with Powerglide Trans. ½ lb.		

STUDEBAKER AUTOMATIC TRANSMISSION

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 4270—Transmission Pressure Gauge All Models with Automatic Trans. 1½ lbs.		
	J 4283—Spline Alignment Fixture All Models with Automatic Trans. 4½ lbs.		
	J 4284—Transmission *Pilot* Studs (2) All Models with Automatic Trans. ¼ lb.		
	J 4285—Brake Band Adjusting Tool All Models with Automatic Trans. ¼ lb.		
	J 4286—Converter Alignment Flange All Models with Automatic Trans. 14 lbs.		
	**J 4287—Studebaker Automatic Transmission Adapter for Models "27" and "63" Transmission Hoists.** (Used with Models "27" and "63" Transmission Hoist illustrated on Pages 32 and 33). 16½ lbs.		
	J 4391—Thottle Linkage Adjusting *Fixture* All Models with Automatic Trans. ½ lb.		

Notes

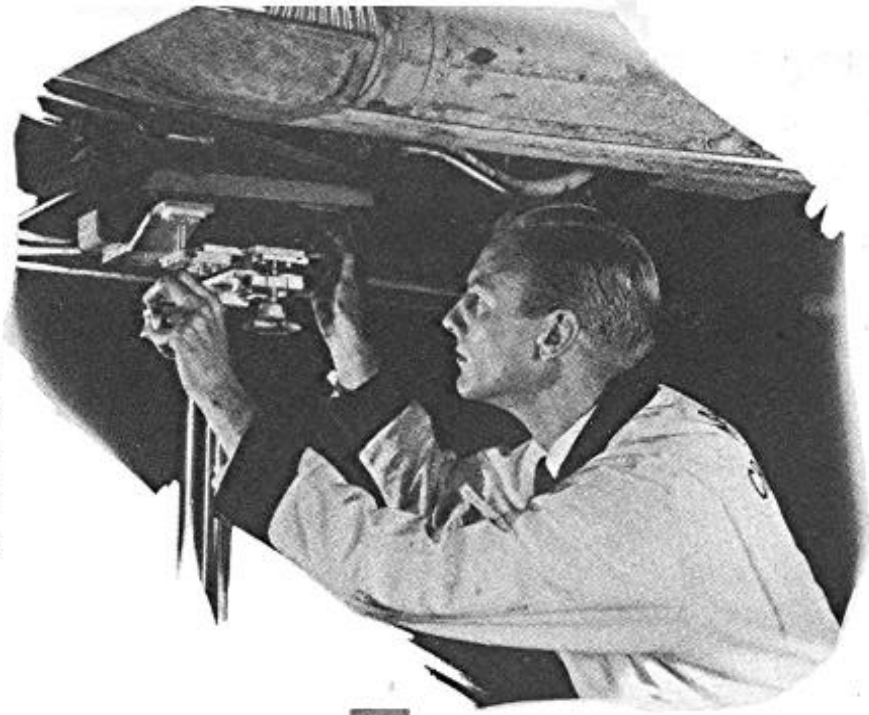
Equipment for Handling Automatic Transmissions

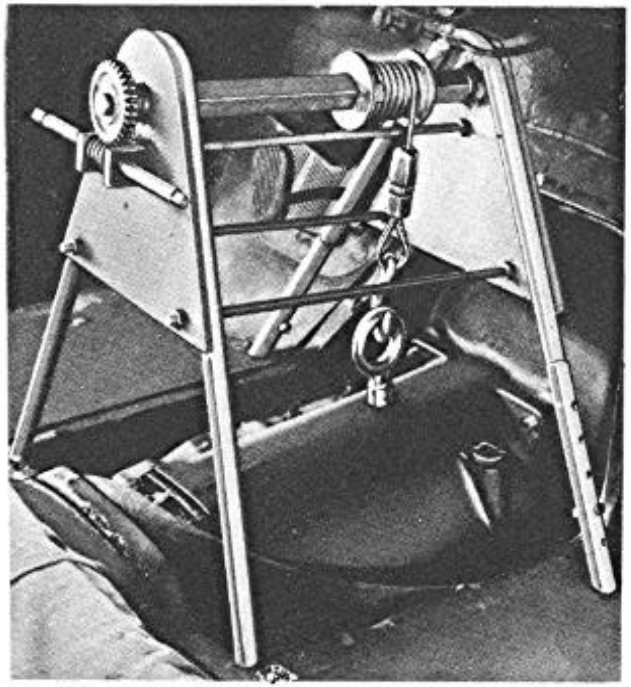


TRANSMISSION REMOVER AND REPLACER

J 2808 – FOR ALL "HYDRA-MATIC" TRANSMISSIONS

This fixture is designed with an adjustable clamp to permit its use with any standard type floor jack. It is equipped with two adjusting screws which fit up against the oil pan and "cradle" the transmission to facilitate its use and take the weight of the transmission off the center of the oil pan.





TRANSMISSION HOISTS

J 1636-B—FOR CADILLAC "HYDRA-MATIC", LINCOLN "HYDRA-MATIC", AND PACKARD "ULTRAMATIC"

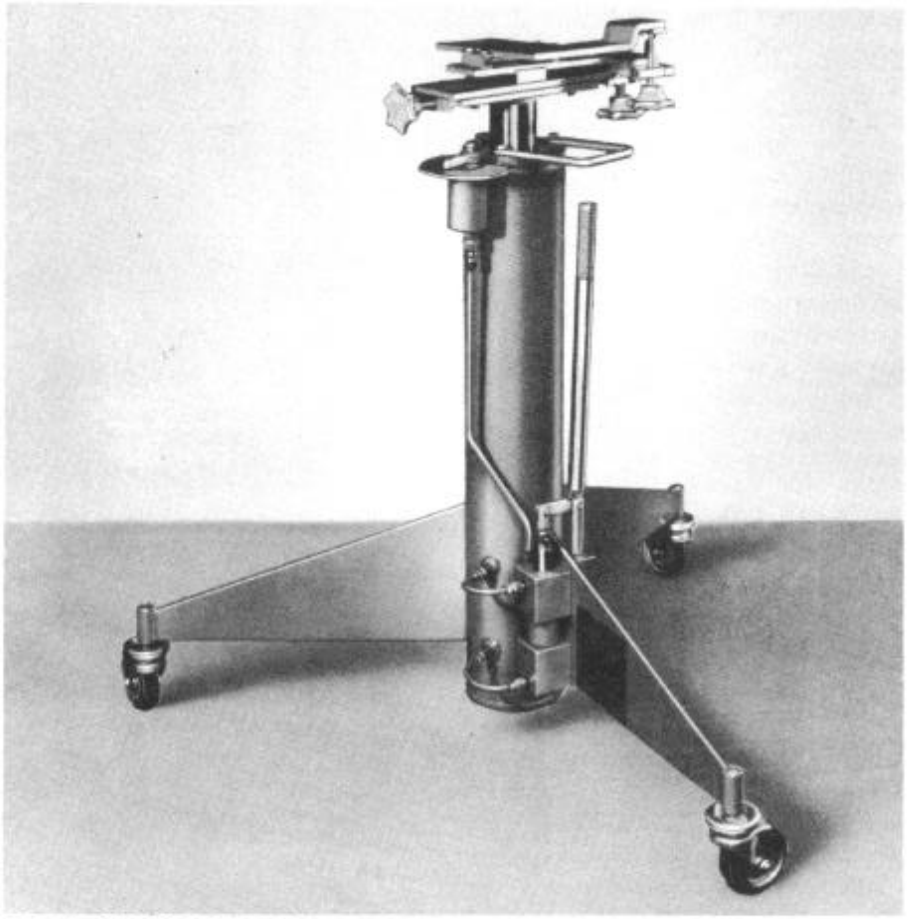
J 4279—FOR CHEVROLET "POWERGLIDE" (REQUIRES USE OF J 4262 LIFTING SLING)

These winch-type hoists are designed for removing and replacing automatic transmissions by lowering from inside the car as illustrated at left. They provide safe, practical, convenient means for handling the entire transmission, and are particularly desirable in obtaining exact alignment of the transmission assembly, flywheel, and flywheel cover during the re-installation operation. Cable spool slides on shaft, and worm gear drive permits ease of operation.

TRANSMISSION LIFTING EYE BOLT

J 1636-SA-5—FOR ALL "HYDRA-MATIC" TRANSMISSIONS

All "Hydra-Matic" transmission cases are drilled and tapped to permit the use of this eye bolt when winch-type hoist is used for lifting transmission.

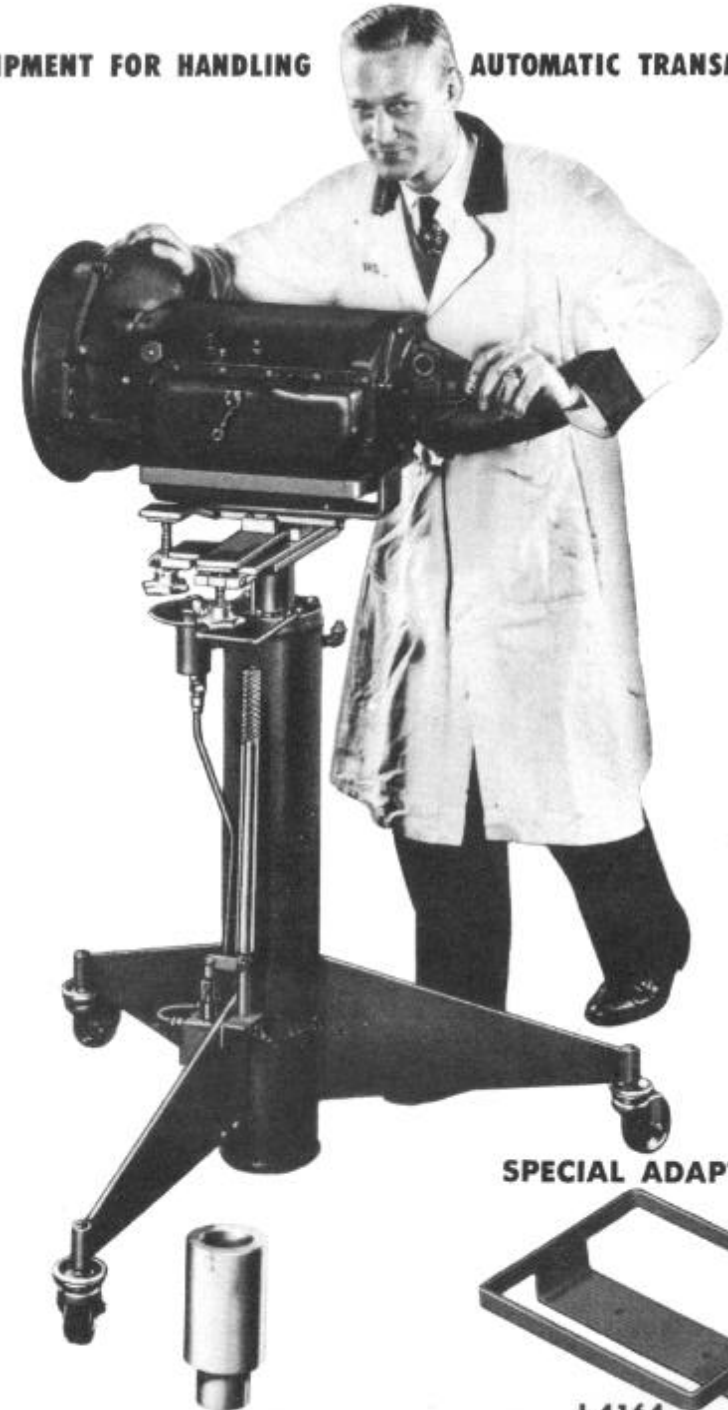


MODEL "63" HYDRAULIC HOIST (J 4560)

Use of the Kent-Moore Model "63" Hydraulic Hoist illustrated above greatly facilitates the removal, handling, and replacement of all automatic transmissions. It is designed for use with two-post car lifts and engineered to permit fast, smooth, safe operation *by a single mechanic.* Reduces labor time and costs, improves service, and increases shop efficiency. Built for easy, accurate positioning, it can be quickly rolled to exact position for transmission removal . . . then just as easily used to transport transmission to work bench. Eliminates all dangerous manual lifting and handling. Equipped with special rotating platform that permits lateral adjustments as well as tilting forward, backward and sideways. Platform is engineered to accommodate special adapters shown at right to permit use of Hoist in handling all automatic transmissions.

SPECIFICATIONS: Range—36" to 63" less adapter and tilt platform. Rated Load—850 lbs. Tilt Platform Angular Adjustments—11½° forward, 19° backward, 13° total over center left and right. Tilt Platform Lateral Adjustments—1⅝" each side of centerline. Shipping Weight—215 lbs. approx.

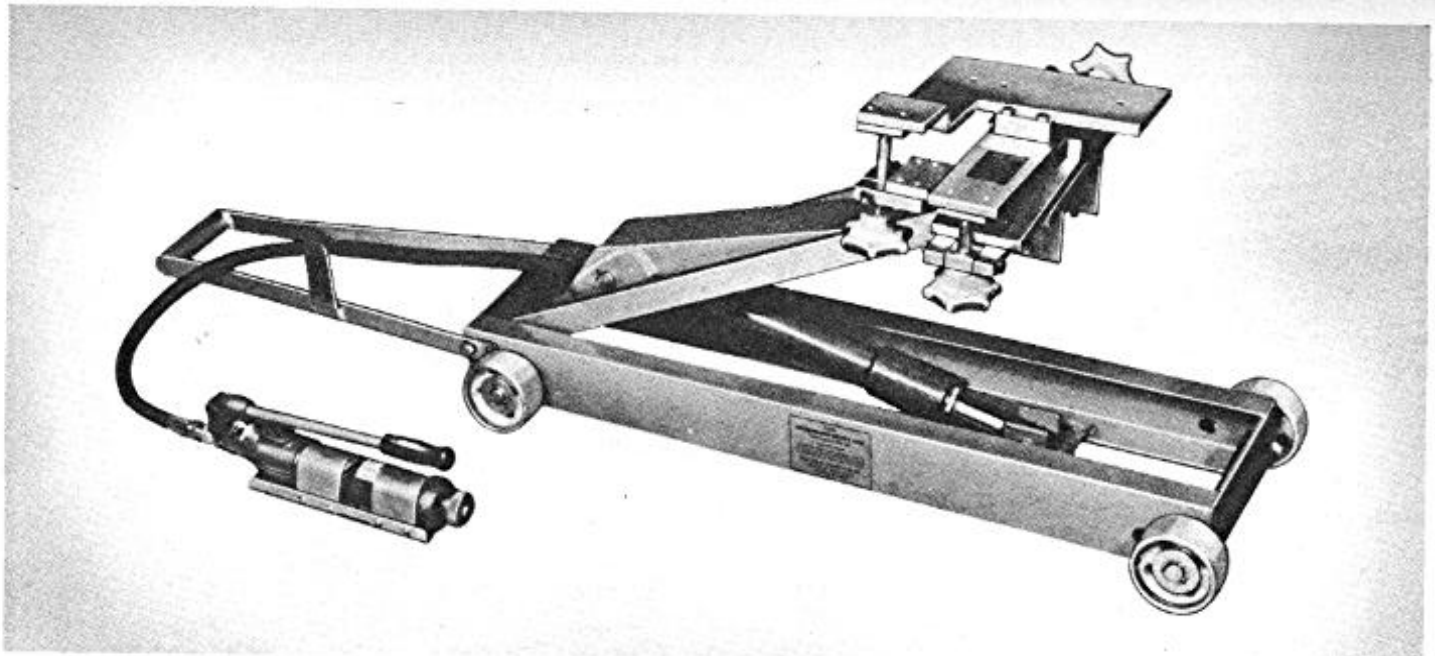
NOTE: *To compensate for variations in Car Hoist rams and pit depths a 4" ram Height Adapter J 3845-56 is available.*



SPECIAL ADAPTERS

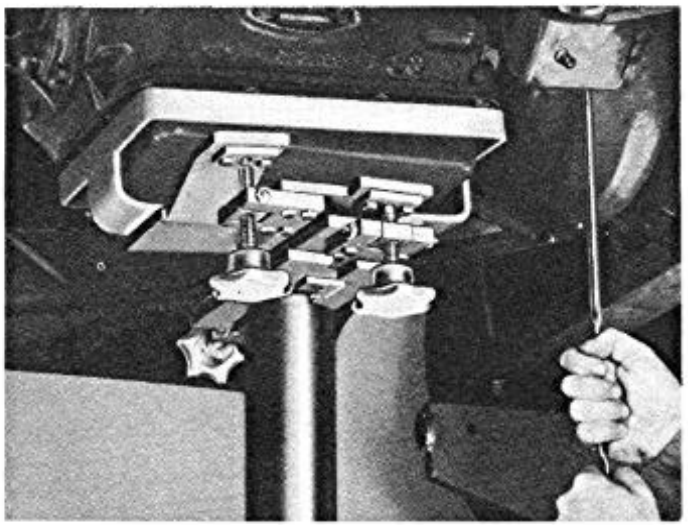
J 3845-56
Height Adapter

J 4164
GM "Hydra-Matic" Adapter



MODEL "27" HYDRAULIC HOIST (J 4559)

The Kent-Moore Model "27" Hydraulic Hoist is designed for use with floor jacks, chain falls, etc., wherever two-post car lift facilities are not available. It may be quickly, easily, safely operated by a single mechanic, and eliminates manual handling and the danger of dropping and damaging the transmission. Equipped with special rotating platform engineered for convenient tilting and lateral adjustments. Platform holds special adapters shown at right to permit use of Hoist in handling all automatic transmissions.



SPECIFICATIONS· Range—4⅜" to 27" less adapter and tilt platform. Rated Load—500 lbs. Tilt Platform Angular Adjustments—11½° forward, 19° backward, 13° total over center left and right. Tilt Platform Lateral Adjustments—1⅝" each side of centerline. Shipping Weight—245 lbs. approx.

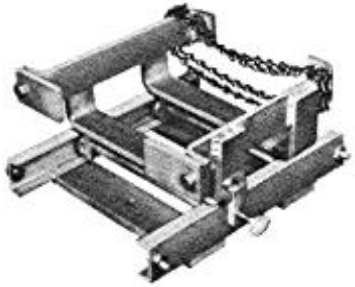
SPECIAL TRANSMISSION-HOIST ADAPTERS

The special adapters shown at right are designed especially to support, cradle, and hold their specified automatic transmissions securely during handling operations. Their use is required to eliminate all possibility of load shifting and danger of damaging pan. Operational view at left shows use of special adapter for "Hydra-Matic" Transmissions.

J 3961
Buick "Dynaflow" Adapter for use with Model "63" Hoist only

J 4238
Buick "Dynaflow" Adapter for use with Model "27" Hoist only

J 4129
Packard "Ultramatic" Adapter

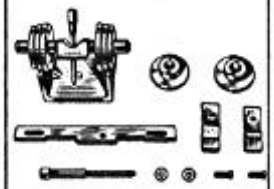


J 4287
Studebaker Automatic Adapter

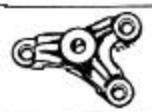
REAR AXLE—*Includes Drive Shaft, Rear Universal Joint, Axle Shaft, Rear Wheel Bearing and Hub Tools*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	HM 931—Rear Axle Shaft Puller STUDE—All Models. 10 lbs.		
	J 270-H—Pinion Bearing Cup Replacer HUD—1933-47 All Models. 2 lbs.		
	J 270-SA—Bearing Cup & Oil Seal Replacer Set (For Front & Rear Differential Pinion Bearings, Inner & Outer Wheel Bearings, etc.) STUDE—All Models. 11½ lbs.		
	J 270-7—Axle Bearing & Retainer Replacer (Use with J 872-5 Handle) CHEV—1937-50 ½ Ton Trucks, 1937-46 ¾ Ton Trucks. 1¾ lb.		
	J 352—Rear Axle Shaft Puller HUD—1933-50 All Models. 12½ lbs.		
	J 358-H—Axle & Pinion Shaft Bearing Remover & Replacer Set HUD—1933-47 All Models. 8 lbs.		
	J 358-1—Press Plate Holder Use with Kent-Moore Press Plates. 2¾ lbs.		
	J 446—Rear Wheel Hub Puller HUD—1933-35 All Models. 5 lbs.		
	J 446-A—Rear Wheel Hub Puller STUDE—All Champions. 8½ lbs.		
	J 544-A—Tension Checking Scale (Differential Bearing Preload) (Use with J 2933 Comp. Flange Holder) PONT—1947-50 All Models; OLDS—1947-50 All Models; NASH—Use with J 2496. ½ lb.		

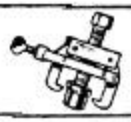
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 554-B—Drum Anvil & Hub Bolt Peening Set CHEV—All Pass. Cars & Trucks. (Includes J 554-3, -4 & -11 Peening Tools) 65 lbs.		
	J 554-3—Hub Bolt Peening Tool (7/16") CHEV—All Pass. Cars & ½ Ton Trucks. 1¼ lbs.		
	J 554-4—Hub Bolt Peening Tool (9/16") CHEV—1937-46 1½ & 2 Ton Trucks. 1¼ lbs.		
	J 554-11—Hub Bolt Peening Tool (5/8") CHEV—1947-50 1½ & 2 Ton Trucks. 1¼ lbs.		
	**J 589-D—Pinion Adjusting Gauge Set** STUDE—All Pass. Cars, M5 & R5 Trucks. 10 lbs.		
	J 596-A—Rear Wheel Hub Puller STUDE—Comm., Pres., M5 & R5 Trucks. 8½ lbs.		
	J 736-A—Rear Wheel Hub Puller HUD—1936-50 All Models. 6¾ lbs.		
	J 838—Rear Axle Shaft & Bearing Puller CAD—1938-48 All Models. 12½ lbs.		
	J 870—Rear Axle Wheel Bearing Nut Wrench CHEV—All 1½ and 2 Ton Trucks & 2-Speed Axles. 8 lbs.		

REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 872-1—Outer Wheel Bearing Race Replacer (Use with J 872-5 Handle) CHEV—All 1½ & 2 Ton Trucks. 2¾ lbs.		
	J 872-3A—Outer Wheel Bearing Race Setting Tool (Use with J 872-5 Handle) CHEV—1937-46 1½ Ton Trucks. 3¾ lbs.		
	J 872-4—Inner Wheel Bearing Race Replacer (Use with J 872-5 Handle) CHEV—All 1½ Ton and 2 Ton Trucks. 3½ lbs.		
	J 872-5—Driver Handle (For all Driver Heads without Handles) HUDSON 3 lbs.		
	J 881-A—Universal Joint Assembly Tool HUD—1936-50 All Models. HUDSON 2 lbs.		
	J 918-A—Inner Wheel Bearing & Oil Seal Puller CHEV—All 1½ Ton and 2 Ton Trucks. ½ lb.		
	J 939—Front Pinion Bearing Replacer PONT—1937-46 All Models; OLDS—1936-46 All Series. 4 lbs.		
	J 940—Rear Pinion Bearing Replacer PONT—1937-46 All Models; OLDS—1937-46 All Series. 6 lbs.		
	J 941—Differential Side Bearing Replacer PONT—All Models; OLDS—1937-46 All Series. 3 lbs.		
	J 942—Rear Axle Shaft & Bearing Puller PONT—All Models; OLDS—1937-50 All Series. 12 lbs.		
	**J 942-1—Rear Axle Shaft & Bearing Puller Adapter** CAD—1949-50 All Series (For use with J 2619 Slide Hammer Assembly). 2 lbs.		
	J 943—Rear Axle Grease Retainer Remover STUDE—All Models; HUD—All Models; PONT—All Models; OLDS—1937-50 All Series. HUDSON 1 lb.		

REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 943-B—Axle Shaft Oil Seal Remover PACK—1939-50 All Models. ¾ lb.		
	J 944—Rear Axle Bearing & Oil Seal Replacer PONT—1937-38 All Models; OLDS—1937-50 All Series. 3 lbs.		
	J 947-O—Axle Bearing Remover & Replacer Set OLDS—1934-50 All Series. 21½ lbs.		
	J 947-P—Rear Axle Bearing Removing & Replacing Tool Set PONT—All Models. 27 lbs.		
	J 962—U-Joint Companion Flange Puller PONT—All Models; OLDS—1934-50 All Series. 1¼ lbs.		
	J 968—Propeller Shaft Bushing Replacer (Also Torque Tube Oil Seal Installer 1950 Pass. Cars & ½ Ton Trucks) CHEV—1937-49 Pass. Cars & ½ Ton Trucks. 4 lbs.		
	J 972—Differential Adjusting Wrench PONT—All Models; HUD—All Models; OLDS—1937-50 All Series; CHEV—All Pass. Cars & Trucks. HUDSON ¾ lbs.		
	**J 986-S—Differential Side Bearing Puller** STUDE—All Pass. Cars, M5 & R5 Trucks. 5 lbs.		
	J 987—Chain Grip Wrench CHEV—All Pass. Cars & Trucks. 1½ lbs.		
	J 994—Differential Side Bearing Replacer (Also used as Trans. Countershaft Front Bearing Remover & Replacer) CHEV—All Pass. Cars & ½ Ton Trucks. 7½ lbs.		
	J 996—Pinion Outer Bearing Remover Plate (Use with J 358-1 Holder) CHEV—All Pass. Cars & ½ Ton Trucks. 1½ lbs.		
	J 1049—Rear Axle Bearing & Oil Seal Replacer PONT—1939-50 All Models; OLDS—1939-50 All Series. 3 lbs.		

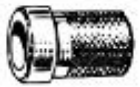
REAR AXLE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1192-B—Pinion Bearing Spacer BUICK—1946-50 All Series. ½ lb.		
	J 1292-B—Propeller Shaft & Pinion Press BUICK—1946-50 All Series. 131 lbs.		
	J 1301—Pinion Bearing Remover Plate (9 Tooth) HUD—1939-47 All Models. 1½ lbs.		
	J 1312-A—Differential Side Bearing Replacer CHEV—1939-50 Trucks with 2-Speed Axles. 7½ lbs.		
	J 1316—Differential Cross Shaft Bearing Nut Wrench STUDE—M16, R16 & R17 Trucks; CHEV—1939-46 Trucks with 2-Speed Axles. 5¾ lbs.		
	J 1318—Differential Case Bearing Remover CHEV—1939-50 Trucks with 2-Speed Axles. 17½ lbs.		
	J 1321—Pinion Rear Bearing Race Replacer CHEV—1939-46 1½ Ton Trucks with 2-Speed Axles. 6 lbs.		
	J 1322—Pinion Front Bearing Race Replacer CHEV—1939-46 1½ Ton Trucks with 2-Speed Axles. 2¾ lbs.		
	J 1328—Pinion Bearing Remover Plate (Use with J 358-1 Holder) CHEV—1939-46 1½ Ton Trucks with 8 Tooth Pinion) ¾ lb.		
	J 1355-A—Rear Axle Shaft Oil Seal Replacer CAD—1938-48 All Series, 1949-50 Series 86. 10¾ lbs.		

REAR AXLE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1357—Differential Pinion Shaft Oil Seal Replacer CAD—1938-50 All Series. 11 lbs.		
	J 1363—Propeller Shaft Bushing & Oil Seal Replacer CHEV—1940-46 1½ Ton Trucks (for front Prop. Shaft on long Wheel Base Models). 4 lbs.		
	J 1364—Pinion Bearing Lock Ring Installer CHEV—1940-49 1½ Ton, All 2 Ton Trucks Except 2 Speed Axles. 2 lbs.		
	J 1365—Differential Bearing Adjusting Nut Wrench BUICK—1934-50 All Series. ¾ lbs.		
	J 1380-1—Hub Puller Flange (only) NASH—(Use with J 1644-A) All Series 80. 13 lbs.		
	J 1380-8—Hub Puller Body Spacer (only) NASH—(Use with J 1644-A) All Series 80. 1½ lbs.		
	J 1411—Rear Axle Pinion Shaft Nut Socket NASH—All Series 10 & 20, 1941-42 Series 80, 1941-48 Series 60. ½ lb.		
	J 1433-1—Rear Wheel Bearing Race Replacer NASH—All Series 60 & 80. 4 lbs.		
	J 1436—Rear Axle Shaft Bearing & Oil Seal Remover BUICK—1934-50 All Series; CHEV—1937-49 Pass. Cars, & ½ Ton Trucks; 1937-46 ¾ Ton Trks. 7¾ lbs.		
	J 1436-8—Axle Shaft Remover Adapter (Use with J 2654 Slide Hammer) CHEV—1947-50 1½ Ton Trucks. ½ lb.		
	J 1439—Pinion Bearing Remover Plate (Use with J 358-1 Holder) CHEV—1940-50 1½ Ton Trucks with 6 Tooth Pinion. ¾ lbs.		
	J 1440—Pinion Bearing Remover Plate (Use with J 358-1 Holder) CHEV—1940-50 1½ Ton Trucks with 7 Tooth Pinion. ¾ lb.		

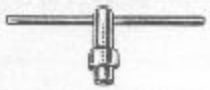
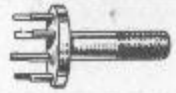
REAR AXLE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1453—Front Pinion Bearing Remover Plate (Also used to replace Clutch Gear Bearing) CHEV—1940-50 1½ Ton Trucks. 1 lb.		
	J 1488—Differential Side Bearing Replacer (Also used as Trans. Rear Bearing Retainer Oil Seal Driver.) CHEV—1939-50 1½ Ton Trucks (except 2-Speed Axles). 7½ lbs.		
	J 1515—Rear Axle Shaft Lock Washer Remover BUICK—1934-50 All Series 1½ lbs.		
	J 1535—Pinion Bearing Remover Plate (8 Tooth) HUD—1939-47 All Models. 2 lbs.		
	J 1556—Rear Axle & Transmission Oil Seal Installer NASH—1941-42 Series 80, 1941-48 Series 60. 8½ lbs.		
	J 1613—Pinion Bearing Cup Remover Set STUDE—All Pass. Cars, M5 & R5 Trucks. 11¼ lbs.		
	J 1619—Propeller Shaft Bearing Puller (Also used as Trans. Mainshaft Rear Bearing Puller) CHEV—1941-46 ¾ & 1½ Ton Trucks. 7½ lbs.		
	J 1644-B—Rear Wheel Hub Puller NASH—All Series except 80. 11 lbs.		
	**J 2027—Rear Axle Shaft Outer Oil Seal Locater** STUDE—6G, 7G, 8G & 9G Trucks. 3 lbs.		
	J 2032—Rear Axle Shaft Outer Oil Seal Locater STUDE—14A, 15A, 15A, 17A, M5 & R5 Trucks. 2½ lbs.		

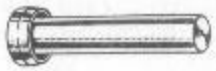
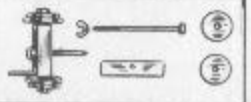
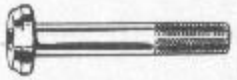
REAR AXLE — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2037—Rear Axle Pinion Shaft Oil Seal Replacer (Use with J 872-5 Handle) STUDE—6G, 7G, 8G, 9G, 14A, 15A, 15A, 17A, M-5 and R-5 Trucks 1¾ lbs.		
	J 2046—U-Joint Flange Puller STUDE—6G, 7G, 8G, 9G, 14A, 15A, 16A, 17A, M & R Trucks 3½ lbs.		
	J 2092—Axle Shaft End Play Tool NASH—1937-50 All Series. 1½ lbs.		
	J 2100—Differential Side Bearing Replacer NASH—1941-50 Series 40. 2¼ lbs.		
	J 2104—Differential Side Bearing Replacer NASH—1939-40 All Hypoid, 1941-42 Series 80, 1941-50 Series 60. 2½ lbs.		
	J 2159—Rear Axle Drive Shaft Oil Seal Replacer HUD—1941-50 All Models. 2¾ lbs.		
	J 2196-A—Ring Gear Riveting Jig BUICK—1934-49 All Series. 65 lbs.		
	J 2197—Pinion Setting Gauge BUICK—1934-50 All Series. 10 lbs.		
	J 2204-A—Companion Flange & Pinion Bearing Pusher STUDE—1938-50 All Pass. Cars, M5 & R5 Trucks 2 lbs.		
	J 2221-A—Wheel Hub Seal Replacer CHEV—1947-50 ¾ & 1 Ton Trucks. 5¼ lbs.		

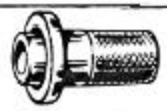
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2222—Wheel Bearing Nut Wrench** CHEV—1947-50 ¾ & 1 Ton Trucks. 3¾ lbs.		
	J 2223—Wheel Hub Outer Bearing Race Replacer CHEV—1947-50 ¾ & 1 Ton Trucks. 4¼ lbs.		
	J 2224—Pinion Front Bearing Remover Plate (Use with J 358-1 Holder) CHEV—1947-50 ¾ Ton Trucks with 7 Tooth Pinion. 1¾ lbs.		
	J 2225—Pinion Front Bearing Remover Plate (Use with J 358-1 Holder) CHEV—1947-50 1 Ton Trucks with 7 Tooth Pinion. 1½ lbs.		
	J 2226—Differential Side Bearing Replacer CHEV—1947-50 ¾ & 1 Ton Trucks. 5 lbs.		
	J 2227—Pinion Cage Inner Bearing Race Replacer CHEV—1947-50 2 Ton Trucks with 2-Speed Axles. 4½ lbs.		
	J 2228—Pinion Inner Bearing Remover (Also use as Clutch Bearing Remover—Use with J 358-1 Holder) CHEV—1947-50 2 Ton Trucks with 2-Speed Axles. 1 lb.		
	J 2229—Pinion Straddle Bearing Remover (Use with J 358-1 Holder) CHEV—1947-50 ¾ & 1 Ton Trucks. 1½ lbs.		
	**J 2230—Wheel Bearing Outer Race Remover** CHEV—1947-50 ¾ & 1 Ton Trucks. 6 lbs.		
	J 2231—Pinion Retainer Oil Seal Replacer CHEV—1947-50 ¾ & 1 Ton Trucks. 4½ lbs.		
	J 2232—Wheel Bearing Inner Race Remover (Use with J 872-5 Handle) CHEV—1947-50 ¾ & 1 Ton Trucks. 1 lb.		
	J 2241-A—Differential Side Bearing Puller BUICK—1934-50 All Series; HUD—1948-50 All Models. 5 lbs.		

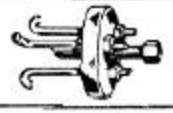
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2242—Differential Side Bearing Replacer** BUICK—1934-50 All Series. 3½ lbs.		
	J 2243—Front Propeller Shaft Bushing Replacer CHEV—1946-50 ¾ & 1 Ton Trucks. 7 lbs.		
	J 2244—Pinion Bearing Remover NASH—1941-50 Series 40. 2 lbs.		
	J 2245—Pinion Bearing Remover NASH—1939-40 All Hypoid, 1941-42 Series 80, 1941-50 Series 60. 1 lb.		
	J 2496—Pinion Holding Wrench & Spacer Tool NASH—1939-40 All Hypoid, 1941-42 Series 80, 1941-50 Series 40—60. 2½ lbs.		
	J 2497-A—Differential Side Bearing Remover NASH—All Models. 4¾ lbs.		
	J 2498-A—Axle Shaft & Bearing Remover NASH—All Models. 15 lbs.		
	**J 2499—Pinion Setting Gauge** NASH—All Series 40—60. 12 lbs.		
	J 2531—Pinion Front Bearing Cup Replacer NASH—1939-40 All Hypoid, 1941-42 Series 80, 1941-50 Series 60. 2½ lbs.		
	J 2532—Pinion Front Bearing Cup Replacer NASH—All Series 40. 2¾ lbs.		
	J 2533—Pinion Rear Bearing Cup Replacer NASH—1939-40 All Hypoid, 1941-42 Series 80, 1941-50 Series 60. 3½ lbs.		
	**J 2534—Pinion Rear Bearing Cup Replacer** NASH—All Series 40. 3¾ lbs.		

REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2539—*Axle Shaft* Oil Seal Replacer NASH—1938-40 All Series: 1941-42 Series 80, 1941-50 Series 60. 2½ lbs.		
	J 2552—Axle Shaft Puller PACK—1939-50 All Models. 8 lbs.		
	J 2554—Axle Shaft Oil Seal Driver PACK—1939-50 All Models. 3 lbs.		
	J 2560—Axle Shaft End Play Gauge PACK—1939-50 All Models. 1½ lbs.		
	J 2571-A—U-Joint Flange Nut Socket Wrench & Handle PACK—1939-50 All Models. 1¼ lbs.		
	J 2571-B—Differential Pinion Bearing Preload *Indicating* Wrench & Adapter PACK—1939-50 *All Models.* 10¼ lbs.		
	J 2574—Pinion Bearing Removing Adapter Plate PACK—1939-50 All Models. 6½ lbs.		
	J 2576—U-Joint Flange Puller PACK—1939-50 All Models. 3¾ lbs.		
	J 2619-A—*Slide* Hammer Assembly (Part of J 838) (For use *with* J 942-1, J-2623, J-2726 & J-4383 for Cadillac). 9 lbs.		
	J 2626—Axle Shaft Oil Seal Replacer NASH—1946-50 Series 40. 2½ lbs.		
	J 2637—Companion Flange Holding Tool HUD—1948-50 All Models. 3½ lbs.		
	**J 2639—Pinion Front Bearing Cone & *Oil Seal* Replacer** HUD—1948-50 All Models. 3¾ lbs.		

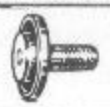
REAR AXLE—*Continued*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2640—Pinion Rear Bearing Cone Remover HUD—1948-49 All Models. (Use with J 358-1). 1½ lbs.		
	J 2641—Axle Shaft Bearing Cone Remover HUD—*1948*-50 All Models. 1½ lbs.		
	J 2643—Pinion Rear Bearing Cone Replacer HUD—1948-50 All Models. 3 lbs.		
	J 2644-A—Pinion Front Bearing Cup Remover HUD—1948-50 All Models. 1 lb.		
	J 2645—Pinion Rear *Bearing* Cup Remover HUD—1948-50 All Models. 1 lb.		
	J 2646—Differential Bearing Cone Replacer HUD—1948-50 All Models. 3½ lbs.		
	**J 2647—Pinion Oil Seal Remover** HUD—1948-50 All Models. 2½ lbs.		
	J 2654-A—Slide Hammer Assembly (Use with J 1436-8 & J 1436-9 Adapters for Chev). 6½ lbs.		
	J 2827—Rear Wheel Bearing Lock Nut Clinching Tool STUDE—M15, M15A, M16, R10, R15, R16 & R17 Trucks. 3¾ lbs.		
	J 2933—Companion Flange Holding Tool *PONT*—1947-50 All Models; OLDS—1947-50 All Series. 3 lbs.		
	J 2934—Pinion Rear Bearing Remover Plates (For use with J 358-1 Holder) PONT—1947-50 All Models; OLDS—1947-50 All Series. 1 lb.		
	J 2935—Pinion Rear Bearing Installing Plate (For use with J 358-1 Holder) PONT—1947-50 All Models; OLDS—1947-50 All Series. 1¾ lbs.		

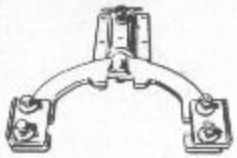
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2936-A—Pinion Rear Bearing Race Remover (For use with J 2940) PONT—1947-50 All Models; OLDS—1947-50 All Series. 1½ lbs.		
	J 2937—Pinion Rear Bearing Race Installer (Use with J 2940) PONT—1947-50 All Models; OLDS—1947-50 All Series. 1½ lbs.		
	J 2938—Pinion Front Bearing Race Remover (Use with J 2940) PONT—1947-50 All Models; OLDS—1947-50 All Series. ¾ lb.		
	J 2939—Pinion Front Bearing Race Installer (Use with J 2940) PONT—1947-50 All Models; OLDS—1947-50 All Series. 1 lb.		
	J 2940—Pinion Bearing Remover & Installer Handle (Use with J 2936-A, J 2937-38-39) PONT—1947-50 All Models; OLDS—1947-50 All Series. 2½ lbs.		
	J 2943—Pinion Front Bearing Cup Replacer HUD—1948-50 All Models. 1½ lbs.		
	J 2944—Pinion Rear Bearing Cup Replacer HUD—1948-50 All Models. 1½ lbs.		
	J 2971—Companion Flange Nut Socket Wrench HUD—1948-50 All Models. ¾ lb.		
	J 2975—Wheel Bearing Nut Wrench 2⅜" Hex STUDE—R10 Trucks. ½ lb.		
	J 2983—Propeller Shaft Coupling Remover NASH—1941-50 Series 40. 4½ lbs.		
	J 2984—Companion & Propeller Shaft Flange Remover NASH—1949-50 Series 60. 2¼ lbs.		
	J 2986—Rear Axle Bearing Remover & Replacer CAD—1949-50 All Series 20 lbs.		

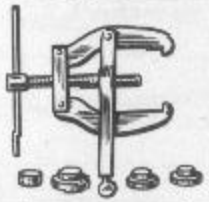
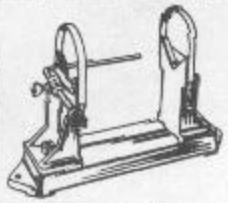
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 3067—Rear Hub Oil Seal Replacer** CHEV—All 1½ & 2 Ton Trucks with full floating axles. 6¼ lbs.		
	J 3069-A—Rear Axle Shaft Oil Seal Installer. CAD—1949-50 All Series (except 1949-50 Series 86). 5 lbs.		
	J 3230—Rear Pinion Bearing Cup Installer PACK—1942-50 Custom Eight. 2 lbs.		
	J 3231—Rear Pinion Bearing Cup Remover PACK—1942-50 Custom Eight. ¾ lb.		
	J 3232—Differential Side Bearing Adjuster PACK—1942-50 All Models. ¾ lb.		
	J 3234—Rear and Front Pinion Bearing Cup Installer PACK—Rear—6 & 8 1942-47, 8 & Super 8; 1948-50. Front—Custom 8 1942-50. 1¾ lbs.		
	J 3235—Rear and Front Pinion Bearing Cup Remover PACK—Rear—6 & 8 1942-47; 8 & Super 8 1948-50; Front—Custom 8 1948-50. ¾ lb.		
	J 3243—Front Pinion Bearing Cup Installer PACK—1942-47 6 & 8; 8 & Super 8 1948-50. 1½ lbs.		
	J 3244—Pinion Oil Seal Installer PACK—1942-47 6 & 8 Series; 1948-50 8 & Super 8. 3½ lbs.		
	J 3245—Pinion Oil Seal Installer PACK—1942-50 Custom 8. 5¼ lbs.		
	J 3246—Differential Side Bearing Installer PACK—1942-50 Custom 8. 1 lb.		
	J 3248—Differential Side Bearing Installer PACK—1942-47 6 & 8; 1948-50 8 & Super 8. ¾ lb.		

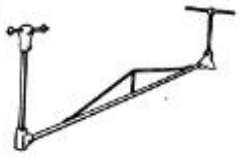
REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 3250—Differential Side Bearing Puller PACK—1942-50 All Models. 3¼ lbs.		
	J 3264—Pinion Yoke Replacer Set CAD—1949-50 All Series. 7¼ lbs.		
	HUDSON **J 3289—Differential Carrier Fixture** PACK—All Models; OLDS—1934-50 All Series; HUD—All Models; PONT—All Models. 19½ lbs.		
	J 4050—Pinion Shaft Rear Bearing Spacer CHEV—All Pass. Cars & ½ Ton Trucks. ½ lb.		
	J 4153—Wheel Puller PACK—1942-50 All Models. 11 lbs.		
	J 4174—Universal Joint Bearing Cap Remover CAD—1950 All Models. 1¼ lbs.		
	J 4258—Torque Tube Front & Rear Bushing Remover CHEV—All 1950 Pass. Cars & ½ Ton Trucks. 5½ lbs.		
	J 4259—Torque Tube Rear Bushing Installer CHEV—All 1950 Pass. Cars & ½ Ton Trucks. 8½ lbs.		
	J 4290—Torque Tube Front Bushing Installer CHEV—All 1950 Pass. Cars & ½ Ton Trucks. 5 lbs.		
	HUDSON **K 224—Pinion Bearing & Front Wheel Bearing Cup Remover** HUD—1933-47 All Models. 1 lb.		
	K 427—Axle Bearing Replacer Head (Use with J 872-5 Handle) CHEV—All Pass. Cars. 1 lb.		

REAR AXLE—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 475—Axle Threading Die (2⅛" — 16) CHEV—1940-50 1½ Ton & All 2 Ton Trucks. 2¼ lbs.		
	KMO 570—Rear Wheel Bearing Nut Wrench, 2⅛" Hex STUDE—M15, M16, R15, R16 & R17 Trucks. 1¼ lbs.		
	**TR 278-R—Differential Side Bearing Puller** PACK—1939-50 All Models; PONT—All Models; OLDS—All Series; CHEV—All Pass. Cars & Trucks 5 lbs.		
	**U 4-B—Ring Gear & Differential Test Fixture** (Use with Dial Indicator) BUICK—1934-50 All Series. 24 lbs.		

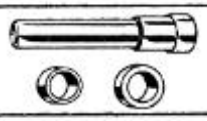
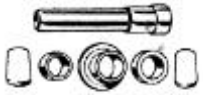
FRONT SUSPENSION—*Includes Steering, Suspension Mechanism & Front Wheel Tools*

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	HM 592—Spindle Bushing Reamer (.858) (Part of J 1061 Spindle Service Set) OLDS—1934-50 All Series; BUICK—All Series. 2¼ lbs.		
	HM 844-C—Steering Ball Stud Remover BUICK—All Models; HUD—1933-47 All Models; PACK—1941 Series 1951, 1942-50 All Models; NASH—1940 Series 10—20—80, 1941-50 Series 60. ¾ lb.		
	J 452—Steering Wheel Puller PONT—All Models thru 1948; OLDS—1934-48 Std. Trans. 8 lbs.		
	J 479-A—Pivot Pin Remover Set HUD—1933-50 All Models. 1 lb.		
	J 514—Front Wheel Inner Bearing Cup Replacer OLDS—1935-50 All Series. 4 lbs.		
	J 544-A—Steering Wheel Checking Scale All Cars—All Models. ½ lb.		
	J 624-H—Steering Arm Ball Stud Screw Press HUD—1940-47 All Models. 4½ lbs.		
	J 709-B—Front Spring Height Gauges (2) NASH—1940 All Series. ¼ lb.		
	**J 710-O—Toe-In Gauge** J-710-O Quickly Checks Toe-in or Toe-out on All Cars. 20 lbs.		
	J 720—Caster-Camber Adjusting Wrench NASH—1940 All Series; CHEV—1939-50 Pass. Cars. 1 oz.		
	J 728-A—Hub & Dust Cap Remover & Replacer OLDS—All Series; PACK—All Models; NASH—All Models; HUD—All Models. ¾ lb.		

FRONT SUSPENSION—Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 739-C—Steering Wheel Puller HUD—1933-50 All Models. 7¾ lbs.		
	J 751-A—Turning Angle Indicators (2) Turning Angle Indicators Are Used to Check Turning Radius. (Steering Geometry.) 48 lbs.		
	J 762—Pitman Shaft Bushing Driver CHEV—1937-48 Pass. Cars. 3 lbs.		
	J 800-U—Wheel Aligning Gauge This Gauge May be Used to Check Caster, Camber & King Pin Inclination on All Late Model Cars. 2 lbs.		
	J 871-O—Pitman Arm Puller STUDE—All Models: OLDS—1934-48 All Series. 4 lbs.		
	J 924—Turning Angle Indicator STUDE—All Models. 11 ozs.		
	J 960—Front Wheel Outer Bearing Cup Replacer OLDS—1935-50 All Series. 3 lbs.		
	J 990—Pivot Pin Bushing Remover & Replacer HUD—1937-50 All Models. 3 lbs.		
	J 1025—Pitman Arm Puller PONT—All Models; CHEV—1937-50 Pass. Cars & Trucks (except 2 Ton & School Bus); BUICK—1949-50 All Series. 4 lbs.		
	J 1032—Steering Gear Adjusting Wrench BUICK—1937-39 Series 60—80—90; PONT—All Models. ¾ lb.		

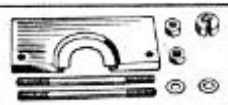
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1052—Lower Control Arm Spreader (HUDSON) PONT—All Models; PACK—1941 Series 1951, 1942-50 All Models; OLDS—1934-50 All Series; HUD—1940-49 All Models. 3 lbs.		
	J 1061—Spindle Bushing Tool Set BUICK—All Series; OLDS—1943-50 All Series. 13½ lbs.		
	J 1262—Steering Wheel Puller OLDS—1939-50 Hydra-Matic. 3 lbs.		
	J 1270-NA—Steering Wheel Puller NASH—All Series thru 1948. 8 lbs.		
	J 1273—Steering Arm Ball Stud Remover CHEV—1939-48 Pass. Cars. ½ lb.		
	**J 1277—Lower Steering Knuckle Bushing Installing Set** STUDE—1939-42 Comm. & Pres. 3½ lbs.		
	J 1278—Steering Knuckle Needle Bearing Installing Tool STUDE—1939-42 Comm. & Pres. 7 ozs.		
	**J 1294-B—Steering Knuckle Bushing & Bearing Remover & Replacer (Part of J 4477)** STUDE—All Champ., 15A & 16A Comm. 5¼ lbs.		
	J 1324—Steering Knuckle Welsh Plug Hole Reamer PONT—All Models. ½ lb.		
	J 1332—Steering Knuckle Bushing Remover & Replacer CHEV—1939-46 COE Trucks. 3 lbs.		
	J 1360—Upper Support Arm & Pivot Gauge (HUDSON) HUD—1940-50 All Models. ¼ lb.		
	J 1373-A—Steering Arm Remover (HUDSON) HUD—1933-50 All Models. 1 lb.		

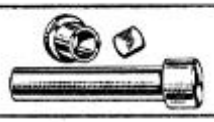
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1374—Pitman Arm Puller (HUDSON) HUD—1936-49 All Models. 2 lbs.		
	J 1376—Pitman Arm Puller NASH—All Models. 3 lbs.		
	J 1376-H—Pitman Arm Puller CHEV—1947-50 2-Ton Trucks, all COE Models & 1½-Ton School Bus. 2¾ lbs.		
	J 1377—Caster-Camber Gauge NASH—1936-49 All Series except '41-'42 Series 40. 5 lbs.		
	J 1381—Steering Knuckle Bushing Service Set NASH—1940 Series 10—20, 1941-48 Series 60. 17 lbs.		
	J 1382—Steering Knuckle Bushing Service Set NASH—All Series 80. 17 lbs.		
	J 1384—Steering Knuckle Cap Recess Reamer NASH—1940-42 Series 60—80, All Series 10—20. ½ lb.		
	J 1385—Steering Knuckle Cap Recess Reamer NASH—1941-42 Series 40. ½ lb.		
	J 1442—Steering Arm Centering & Toe-In Gauge (HUDSON) HUD—1940-47 All Models. 5 lbs.		
	J 1447—Steering Centering Gauge OLDS—1940-50 All Series. 1½ lbs.		
	J 1451—Front Spring Bushing Press CHEV—Pass. Cars with I-Beam Axles. 1 lb.		
	J 1581—Front End Lifting Hooks Only (2) BUICK—All Series (Use J 1622-B). 34 lbs.		

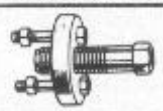
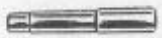
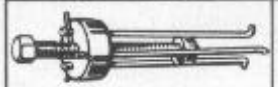
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1592—Steering Gear Worm Bearing Adjusting Lock Wrench BUICK—1941-50 All Series. 1 lb.		
	J 1593—Steering Gear Worm Bearing Adjusting Wrench BUICK—1941-47 All Series. 2 lbs.		
	**J 1594-X—Steering Wheel Puller Adapter** (Use with HM 925 Puller—See Engine Section) STUDE—All Models except 17A. 3 lbs.		
	J 1596—Pitman Arm Puller BUICK—1941-48 All Series. 2 lbs.		
	J 1614—Pitman Shaft Bushing Driver (Also used as Trans. Reverse Idler Gear Remover & Replacer). CHEV—1941-50 ½, ¾ & 1½ Ton Trucks except COE & HD Axles. 2¾ lbs.		
	J 1615—Pitman Shaft Bushing Driver CHEV—1941-50 COE Trucks. 3½ lbs.		
	J 1622-A—Front End Lifting Hooks Only (2) PONT—All Models. 7 lbs.		
	J 1622-B—Front End Lifting Sling and Spreader Only BUICK—All Series (Use with J 1581). PONT—All Models (Use with J 1622-A). 12 lbs.		
	J 1626—Steering Arm Ball Stud Remover NASH—1941-42 Series 40. ¼ lb.		
	J 1631—Caster-Camber Gauge NASH—1941-42 Series 40. 3 lbs.		
	J 1859—Steering Wheel Puller CAD—1938-50 All Models. 2 lbs.		
	J 1861—Drive-Master Power Unit & Cross Shift Rod Gauge HUD—1942-47 All Models. ¼ lb.		

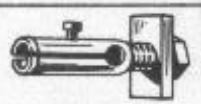
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1987—Car Lifting Sling Chain & Hooks STUDE—1947-48 Pass. Cars. 14 lbs.		
	J 2031—Steering Knuckle Pin Remover STUDE—After 14A and 6G. All Pass. Cars. 1½ lbs.		
	**J 2033—Steering Bell Crank Bearing Remover & Replacer** STUDE—14A, 15A & 16A. 1¾ lbs.		
	J 2043—Steering Knuckle Support Arm Spreader STUDE—6G, 7G, 8G, 14A, 15A & 16A Trucks. 1¾ lbs.		
	J 2044—Steering Knuckle Support Arm Spreader STUDE—1941-49 All Pass. Cars. 2¾ lbs.		
	J 2126—Lower Control Arm Tool Set (Press Plate—Remover—Aligner—Spacer) BUICK—1940-49 All Series. 16 lbs.		
	J 2162—Pitman Arm Puller CAD—1941-50 All Series. 2 lbs.		
	J 2199—Steering Gear Sector Shaft Oil Seal Protector PONT—All Models; OLDS—All Series. ½ lb.		
	J 2200—Steering Arm Ball Bolt Puller STUDE—All Pass. Cars, M5 & R5 Trucks. 2¼ lbs.		
	J 2248—Steering Knuckle Bushing Remover & Replacer CHEV—1947-50 2 Ton Trucks & School Buses, also 1½ Ton Trucks with HD Axles. 2¼ lbs.		
	J 2551—Cross Shaft Bushing Replacement Set PACK—1939-50 All Models. 7¾ lbs.		
	J 2556—Steering Connecting Rod Centering Gauge PACK—1941 Series 1951, 1942-50 All Models. 1¼ lbs.		

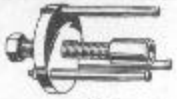
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 2557—Steering Wheel Puller** PACK—1939-50 All Models. 1¾ lbs.		
	J 2564—Steering Knuckle Pin Bushing & Bearing Replacement Set PACK—1939-50 All Models. 5¾ lbs.		
	J 2565—Mast Jacket Bearing Remover & Replacer CHEV—1949-50 Pass. Cars, 1947-50 Trucks. 3 lbs.		
	J 2572—Pitman Arm Puller PACK—1939-50 All Models. 2 lbs.		
	J 2625—Lower Control Arm Trunion Centering Gauge NASH—1946-50 Series 40. ¾ lb.		
	**J 2628—Idler Arm Bushing Remover** NASH—1946-48 Series 40. 1 lb.		
	J 2629—Idler Arm Bushing Reamer (.744") NASH—1946-48 Series 40. 1½ lbs.		
	J 2781—Tie Rod End Remover HUD—1933-50 All Models. 2¾ lbs.		
	**J 2792—Mast Jacket Tube Bearing Puller** HUD—1948-50 All Models. 2¾ lbs.		
	J 2927-A—Steering Wheel Puller CHEV—1941-50 Pass. Cars & Trucks. 3 lbs.		
	J 2952-A—Mast Jacket Tube Bearing Replacer HUD—1948-50 All Models. 2 lbs.		
	J 2953—Steering Arm Centering & Toe-In Gauge HUD—1948-50 All Models. 5¾ lbs.		

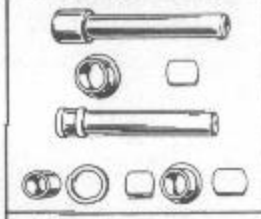
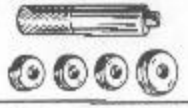
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2958—Upper Control Arm Shaft Remover & Replacer CHEV—1949-50 Pass. Cars. 1 lb.		
	J 2963—Tie-Rod Ball Stud Remover CHEV—1949-50 Pass. Cars. 4 lbs.		
	J 2981—Front Suspension Hold-Down Hooks (2) NASH—1949-50 Series 40—60. 1 lb.		
	J 2982—Steering Wheel Puller NASH—1949 Series 40—60. ¾ lb.		
	J 2998—Caster-Camber Adjusting Wrench PONT—1949-50 All Models. ½ lb.		
	J 3044—Steering Wheel Puller PONT—1949-50 All Models. 1¼ lbs.		
	J 3056—Pitman Shaft Bushing Reamer (1.125") CHEV—1937-46 "Master" Pass. Cars. 3 lbs.		
	J 3057—Steering Knuckle Bushing Reamer (.923") CHEV—1937-50 1½ Ton Trucks except HD & COE Axles. 3 lbs.		
	J 3058—Steering Knuckle Bushing Reamer (.736") CHEV—1937-40 ½ & ¾ Ton Trucks except Floating Bushings. 2 lbs.		
	J 3082—Front Wheel Bearing Oil Seal Packing Expander BUICK—1948-50 All Series. 1¼ lbs.		
	J 3182—Steering Gear Mainshaft Bearing Cup Replacer CHEV—1949-50 Pass. Cars. 2½ lbs.		
	**J 3183—Steering Gear Mainshaft Bearing Cup Remover** CHEV—1949-50 Pass. Cars. 2 lbs.		

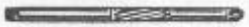
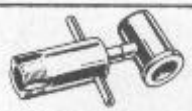
FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 3184—Lower Control Arm Assembly Gauges (2) CHEV—1949 Pass. Cars. ¾ lb.		
	J 3189—Steering Idler & Third Arm Bushing Reamer CHEV—1949-50 Pass. Cars. 1¾ lbs.		
	J 3225—Rear Spring Bushing Remover & Replacer STUDE—1949-50 All Champ. & Comm. 1½ lbs.		
	**J 3274—Steering Wheel Puller** BUICK—1936-50 All Models. 2¼ lbs.		
	J 3295—Steering Arm Ball Stud Remover CHEV—1949-50 All Pass. Cars & Trucks. ½ lb.		
	J 3957—Upper Control Arm Spreader CAD—1950 All Series; STUDE—Champ. & Comm. 9G & 17A; HUD—1940-50 All Models. 1¼ lbs.		
	J 4145—Steering Knuckle Bushing and Brg. Remover & Replacer (Part of J 4477) STUDE—17A Models. 3¼ lbs.		
	J 4146—Steering Wheel Puller STUDE—17A Models except those with Automatic Trans. 5¾ lbs.		
	J 4147—Steering Bell Crank Bearing Remover & Replacer STUDE—17A Models. 1¾ lbs.		
	J 4251—Upper Control Arm Spreader PONT—1950 All Models. 1¼ lbs.		
	J 4388—Steering Gear Adjustment Wrench OLDS—1950 All Series. ½ lb.		

FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	**J 4477—Steering Knuckle Bushing and Bearing Service Tool Set** STUDE—6G, 7G, 8G, 9G, 14A, 15A, 16A & 17A. 11 lbs.		
	K 224—Front Wheel Bearing Cup & Pinion Brg. Remover BUICK—All Series; PONT—All Models; CHEV—All Pass. Cars & Trucks. 1 lb.		
	K 318—King Pin Bushing Driver (Also used as Steering Idler & Third Arm Bushing Driver on 1949-50 CHEV Pass. Cars) CHEV—1937-46 1½ Ton Trucks. 3 lbs.		
	**K 463-B—Front Wheel Bearing Cup Inserter Set** CHEV—1937-46 Pass. Cars & Trucks. 11 lbs.		
	KMO 225-1—Oversize King Pin Bushing Reamer (.010" oversize) CHEV—1937-40 ½ & ¾ Ton Trucks (except Floating Bushings). 2 lbs.		
	KMO 225-2—Oversize Steering Knuckle Bushing Reamer (.010" oversize) CHEV—1937-40 ½ & ¾ Ton Trucks (except Floating Bushings). 5 lbs.		
	KMO 226-1—Oversize King Pin Reamer (.010" oversize) CHEV—1937-50 1½ Ton Trucks (except COE & HD Axles). 3 lbs.		
	KMO 226-2—Oversize Steering Knuckle Bushing Reamer (.010" oversize) CHEV—1937-50 1½ Ton Trucks (except COE & HD Axles). 7 lbs.		
	KMO 250—Steering Knuckle Bushing Reamer CHEV.—All COE Models and Heavy Duty Axles. 2 lbs.		
	KMO 312-1—Oversize King Pin Bushing Reamer (.020" oversize) CHEV—1937-50 1½ Ton Trucks (except COE & HD Axles). 2½ lbs.		
	KMO 312-2—Oversize Steering Knuckle Bushing Reamer (.020" oversize) CHEV—1937-50 1½ Ton Trucks (except COE & HD Axles). 4 lbs.		

FRONT SUSPENSION — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 366—Upper Support Arm Eccentric Bushing Wrench CAD—1950 All Series. 2 lbs.		
	KMO 487—Caster-Camber Adjusting Wrench PACK—1941 Series 1951, 1942-50 All Models. 2 oz.		
	**KMO 614—Steering Knuckle Bushing Reamer** (.859" Expansion Type) PACK—1939-50 All Models. 3¼ lbs.		
	KMO 616—Steering Worm Bearing Lock Nut Adjusting Wrench CAD—1941-50 All Series. ½ lb.		
	KMO 654—Steering Knuckle Bushing Reamer CHEV—1947-50 2 Ton Trucks & School Buses, also COE & 1½ Ton Trucks with HD Axles. 6¾ lbs.		
	**KMO 679—Steering Mast Jacket Bearing Remover & Replacer** PONT—All Models; OLDS—All Series; CHEV—1939-48 Pass. Cars & ½ Ton Trucks. 1½ lbs.		
	KMO 695—Steering Shaft Worm Bearing Adjuster Bit BUICK—1948-50 All Series; OLDS—1950 All Series. 1 oz.		
	KMQ 738—Pitman Arm Nut Wrench HUD—1940-50 All Models. ¾ lb.		
	N 330—Steering Knuckle Bushing Driver CHEV—1937-40 Pass. Cars, ½ & ¾ Ton Trucks with I-Beam Axles. 3 lbs.		
	N 353—Mast Jacket Bushing Replacer CHEV—1937-46 1½ Ton Trucks. 4 lbs.		

Notes

SPRINGS — SHOCK ABSORBER

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 136-A—Rear Spring Front Bushing Remover & Replacer PONT—All Models (with Inlox Bushing); CHEV—All Pass. Cars (with Inlox Bushing). 10 lbs.		
	J 553—Rear Spring Shackle Bushing Remover & Replacer PONT—1939-49 All Models; CHEV—1937-46 Pass. Cars. 3 lbs.		
	J 553-S—Front Spring Eye Bushing Remover & Replacer STUDE—All Champ. & Comm. prior to 1947. 2¾ lbs.		
	J 595—Spring Cover Lubricator NASH — All Models except 40 Series & 1949 Series 60; PONT—All Models; STUDE—All Models 1939-47; HUD—All Models; CHEV—All Pass. Cars. 1 lb.		
	J 766—Shock Absorber End Cap Wrench (For Knurled End Plugs) BUICK—OLDS—PONT—CHEV—All Double Acting Units; CAD—All Series. 4 lbs.		
	J 895—Shock Absorber Holding Fixture BUICK—OLDS—PONT—CHEV—All types except Direct Units. 8½ lbs.		
	J 896-A—Shock Absorber Valve Installer BUICK—OLDS—PONT—CHEV—All Double Acting Units. 8 ozs.		
	J 993-2—Shock Absorber Guide Rod Spanner Wrench PONT—Direct Acting Units (except Welded Const.); HUD—All 1936-47 & Heavy Scale Shocks 1948-50. 1½ lbs.		
	J 1436-9—Rear Spring Shackle Pin Remover Adapter (Use with J 2654 Slide Hammer Assembly) CHEV—1940-50 1½ & 2 Ton COE Trucks. 6 ozs.		
	J 1451—Front Spring Hanger Bushing Remover & Replacer CHEV—Pass. Cars with I Beam Axles. 1 lb.		

SPRINGS — SHOCK ABSORBER — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1611-A—Shock Absorber Filler Adapter OLDS—All Double Acting Units; BUICK—All Double Acting Units. 1 oz.		
	J 2537-A—Spring Unloader Adapters (Use with HM 925 Puller, see Engine Section) STUDE—6G, 7G, 8G, 14A, 15A & 16A Trucks. 5½ lbs.		
	J 2654-A—Slide Hammer Assembly (Use with J 1436-8 & J 1436-9 Adapters for Chev). 6½ lbs.		
	J 4161—Rear Spring Bushing Remover & Replacer PONT—1950 All Models. 2¼ lbs.		
	KMO 735—Front Spring Compressors (2) NASH—1941-42 Series 40. 3 lbs.		
	KMO 1026-A—Shock Absorber Fluid Injector All Cars—All Double Acting Units. 1½ lbs.		

BRAKES

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 134-A—Brake Pedal Depressor All Cars—All Models. HUDSON 2¼ lbs.		
	J 627—Brake Bleeder Wrench BUICK—1936-50 All Series; NASH—All Models; OLDS—All Series; PACK—All Models; HUD—1936-50 All Models. HUDSON 2 ozs.		
	J 628-A—Brake Bleeder Tube BUICK—1936-50 All Series; NASH—All Models; OLDS—All Series; HUD—1936-50 All Models. HUDSON 2 ozs.		
	J 713—Brake Master Cylinder Filler All Cars—All Models. HUDSON 5 lbs.		
	J 747—Brake Bleeder Tube CAD—All Series: PACK—1939-48; PONT—All Models; CHEV—All Cars & Trucks. 2 ozs.		
	J 854—Brake Anchor Pin Nut Wrench BUICK—1934-50 All Series. 2 lbs.		
	J 961—Brake Eccentric Anchor Pin Adjuster OLDS—1935-41 All Series; PONT—1935-38 All Models. ¾ lb.		
	J 1028—Brake Adjusting Wrench PACK—1939-50 All Models; PONT—All Models; HUD—All Models. HUDSON ¼ lb.		
	J 1056—Brake Master Cylinder Nut Wrench (1-17/32") BUICK—1936-37—Series 40—60; 1938-39 Series 80—90; PONT—1935-37 All Models; CHEV—1936-37 Pass. Cars. 2 lbs.		
	J 1058—Brake Master Cylinder Nut Wrench (1¾") BUICK—1936-37 Series 80—90; CHEV—1936-39 1½ Ton Trucks. 2 lbs.		
	J 1205—Brake Master Cyl. Nut Wrench (1⅜") BUICK—1938-39 Series 40—60; OLDS—1938-39 All Series; PONT—1938-49 All Models; CHEV—1938-46 Pass. Cars. 2 lbs.		

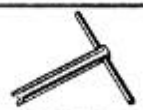
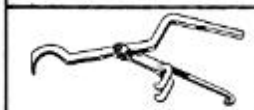
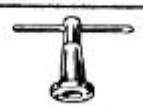
BRAKES — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 1417-A—Brake Feeler Gauge Set (.004"—.008"—.010"—.015") NASH—All Models. ¼ lb.		
	J 1492—Brake Bleeder Wrench STUDE—All Pass. Cars, M5 & R5 Trucks. 2 ozs.		
	J 1603-A—Brake Shoe Adjuster CAD—All Series; NASH—All Models; OLDS—All Models; BUICK—1936-50 All Series. 3 lbs.		
	J 1681—Brake Anchor Spring Remover NASH—All Models. ¾ lb.		
	J 1696-SA-1—Brake Shoe Adjusting Fixture STUDE—All Models. 4½ lbs.		
	J 2492—Hi-Torque Brake Wrench (15/16" Hex) STUDE—M15, M15A, M16, R15, R16 Trucks. 1¾ lbs.		
	J 2493—Hi-Torque Brake Wrench (5/16" Allen) STUDE—M15, M15A, M16, R15, R16 Trucks. ¼ lb.		
	J 2795—Brake & Clutch Pedal Rod Remover HUD—1941-50 All Models. 1¾ lbs.		
	J 2964—Hi-Torque Brake Wrench (1-1/16" Hex) STUDE—R16 & R17 Trucks. 2¼ lbs.		
	J 2965—Hi-Torque Brake Wrench (⅜" Allen) STUDE—R16 & R17 Trucks. 6 ozs.		
	KMO 142—Brake Spring Pliers NASH—All Models; OLDS—All Series; PONT—All Models; BUICK—All Series; HUD—All Models; CHEV—All Pass. Cars & Trucks. HUDSON 1 lb.		
	KMO 145—Brake Cylinder Clamps (4) All Cars—All Models. HUDSON 1 lb.		

BRAKES — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 479—Brake Shoe Feeler Gauge (.008"—.015") HUDSON HUD—1936-47 All Models. 1 oz.		
	KMO 497—Hydraulic & Vacuum Test Kit STUDE—All Models. 21 lbs.		
	KMO 526—Brake Spring Remover & Replacer Wrench HUDSON All Cars with Bendix Brakes. ½ lb.		
	KMO 621—Brake Spring Pliers STUDE—All Models. 1 lb.		

BODY

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	B 208-A—Phillips Screw Driver (For #4-A Phillips Screws) All Cars—All Models. 1 lb.		
	B 223-A—Door Handle Ferrule Installer PONT—All Thru 1948; BUICK—1934-50 All Series; NASH—All Models; CAD—1937-47 All Series; 1948-49 Series 75; OLDS—All Series Thru 1948; CHEV—1937-48 Pass. Cars. 1¾ lbs.		
	J 1339—Radio Antenna Bracket Spanner Wrench BUICK—1940-50 All Series. ½ lb.		
	J 1340—Radio Antenna Control Retainer Nut Wrench BUICK—1940-50 All Closed Models. ½ lb.		
	J 1538—Grille Fin Clip Remover & Replacer CAD—1947-49 All Series. 2 lbs.		
	J 1588—Map Light Nut Wrench PACK—1941 Series 1951, 1942-49 All Series; BUICK—1941-49 All Series. ½ lb.		
	**J 1589—Light Switch Nut Wrench** BUICK—1941-50 All Series. ½ lb.		
	**J 1638-A—Hood Spring Remover & Replacer** CAD—1941 All Series, 1942 Series 75 Only, 1948-49 All Series. 9 lbs.		
	J 1643—Windshield Wiper Shaft Lubricator NASH—All Models. 3 ozs.		
	**J 1871—Radio Set Mounting Nut Wrench** HUDSON HUD—1937-47 All Models. 1¾ lbs.		
	J 2189—Weatherstrip Tool Set CHEV—1941-50 Truck Cab Rear Windows. 1¼ lbs.		

BODY — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2568—Windshield Wiper Switch Nut Wrench PACK—1941 Series 1951, 1942-47 All Series. 2 ozs.		
	J 2569—Windshield Wiper Arm Shaft Nut Wrench PACK—1941 Series 1951, 1942-47 All Series. ½ lb.		
	J 2602—Windshield Wiper Switch Nut Wrench PACK—1948-50 All Models; CAD—1948-49 All Series. (Radio Mounting Nut Wrench). ½ oz.		
	J 2631-A—Trim Pad Depressor PONT—All Models; PACK—All Models; BUICK—All Series; NASH—All Models; CAD—1937-47 All Series, 1948-49 Series 75; OLDS—All Series; CHEV—All Pass. Cars. ¾ lb.		
	J 2682—Windshield Wiper Transmission Burr Remover & Replacer BUICK—1949-50 All Series; CAD—1948-50 All except Series 75; OLDS—1948-50 Series 90; HUD—1948-50 All Models. ¼ lb.		
	J 2767—Weatherstrip Insert Seal Replacer BUICK—1949-50 All Series; CAD—1948-49 All except Series 75; OLDS—1948-50 Series 90. ¼ lb.		
	J 2769—Outside Door Handle Remover & Replacer CAD—1948 except Series 75; OLDS—1948-49 Series 90. 2 ozs.		
	J 2770—Rear Door Lock Free Wheeling Tool BUICK—1949-50 All Series; CAD—1948-50 except Series 75; OLDS—1948-50 Series 90. 2 ozs.		
	J 2772—Headlining Installer PONT—1949-50 All Series; BUICK—1949-50 All Series; CAD—1948-50 All except Series 75; OLDS—1948-50 Series 90; CHEV—1949-50 Pass. Cars; HUD—1948-50 All Models. ¼ lb.		
	J 2896—Hood Spring Remover & Replacer NASH—1946-48 All Series. ¾ lb.		

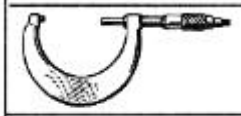
BODY — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	J 2926—Spotlight Hole Saw CAD—1948-50 All Series. (Use with ¼" drill) ½ lb.		
	J 2991—Windshield Wiper Control Lock Nut Wrench NASH—1949-50 Series 40—60. 6 ozs.		
	J 3041—Fender Weld Milling Tool (Use with ¼" drill) NASH—1949-50 Series 40—60. ½ lb.		
	J 3053—Radio Antenna Control Retainer Nut Wrench BUICK—1942-50 Convertibles. ¾ lb.		
	J 3075—Hood Hinge Spring Pry Bar PONT—1949-50 All Models. 7½ lbs.		
	J 3181—Hood Spring Remover & Replacer CHEV—1949-50 Pass. Cars. 7½ lbs.		
	J 3190—Door Handle Retaining Screw Wrench BUICK—1949 Series 50 & 70; CAD—1949-50 All OLDS—1949-50 Series 98. 3½ ozs.		
	J 3209—Windshield Wiper Pivot Shaft Nut Wrench NASH—1949-50 All Series. ½ lb.		
	J 3286—Hog Ring Pliers For Installing Upholstery & Seat Cover Hog Rings. ½ lb.		
	J 3296—Body Cement Gun All Makes—All Models. ¾ lb.		
	KMO 346—Door Handle Pin Punch NASH—All Models. 2 ozs.		

BODY — Continued

ILLUSTRATION	TOOL NUMBER, DESCRIPTION, MODEL APPLICATION	ON HAND	ORDER
	KMO 449-A—Clutch Head Screw Driver Set (4) Consists of 4 Clutch Head Screw Drivers, 1 each of the following sizes: ⅛",—7/32"—¼"—5/16". 1 lb.		
	KMO 601—Door Handle Pliers PONT — All Models; BUICK — All Series; NASH — All Models; CAD—1937-47 All Series, 1948-50 Series 75; OLDS —All Series; CHEV—All Pass. Cars. 2 oz.		
	KMO 623—Hydraulic Window Lift Spring Clip Remover PACK—1948-50 All Models; CAD—1946-50 All Series. ½ lb.		
	KMO 671—Sheet Metal Cutter (with extra blade) HUDSON All Cars—All Models. 1½ lbs.		
	KMO 685—Remote Control Switch Remover (Pair) PACK—1948-50 All Models. ½ oz.		
	KMO 687—Hydraulic Pressure Gauge (To Check Window & Top Operation) PACK—1948-50 All Models; BUICK—1946-50 Convertibles; OLDS—1946-49 Convertibles; CHEV—1947-50 Convertibles. 11 ozs.		

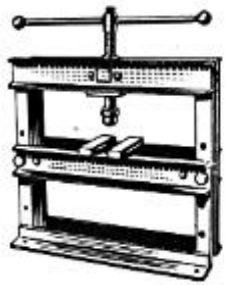
GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION	ON HAND	ORDER
	J 978—Single Lap Tube Flaring Tool (45°) Flares 3/16"—¼"—5/16"—⅜"—7/16" and ½" O.D. Tubing. 1½ lbs.		
	Round Bar Type Torque Wrenches **J 1264 (0-200 Ft.-Lbs.) ½" Sq. Drive** 3 lbs. **J 1313-A (0-150 Ft.-Lbs.) ½" Sq. Drive.** 2 lbs. **J 1315 (0-25 Ft.-Lbs.) ⅜" Sq. Drive.** 1 lb.		
	J 2185—Double Lap Tube Flaring Tool Set (¼"—45°) (Includes Die Block, Upset Flare Punch & Beading Punch for ¼" Flaring Operations) Additional Die Blocks, Upset Flare and Beading Punches are available for 5/16"—⅜" & ½" Tube Flaring (see Price List for Part Numbers and Prices.) 6 lbs.		
	J 2185-24—Tube Deburring Tool Range 3/16" to ½" O.D. Tubing. 1 lb.		
	J 3838—Crankshaft Micrometer Range—2½"—3½". 1 lb.		
	**J 3839—Journal Micrometer** Range—1½"—2½". ¾ lb.		
	J 3888—"Quick-Set" Car Stands (Pair) Capacity—6 tons. Height—Open 24"; Shut 17". 20 lbs.		
	J 3889 "Quick-Set" Car Stands (Pair) Capacity—1½ tons. Height—Open 18½"; Shut 12". 17 lbs.		

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION		ON HAND	ORDER
	Sensory Type Torque Wrenches J 4424—(0-25 ft.-lbs.) ½" Drive J 4425—(0-50 ft.-lbs.) ½" Drive J 4426—(0-100 ft.-lbs.) ½" Drive J 4427—(0-150 ft.-lbs.) ½ Drive			
	Flat Bar Type Torque Wrenches J 4434—(0-25 ft.-lbs.) ½" Drive J 4435—(0-50 ft.-lbs.) ½" Drive J 4436—(0-100 ft.-lbs.) ½" Drive J 4437—(0-150 ft.-lbs.) ½" Drive			
	KMO 3-A—Copper Tube Cutter Range—⅛"—1" O.D. Tubing.	1 lb.		
	KMO 30—Dial Indicator Set Calibrated in 1/1000 in.—Capacity 1/10 in. (Includes 1 each KMO 30-B, F, G & K)	2 lbs.		
	KMO 30-B—Dial Indicator	¾ lb.		
	KMO 30-F—Dial Indicator	6 ozs.		
	KMO 30-G—Dial Indicator Clamp	10 ozs.		
	KMO 30-K—Dial Indicator Sleeve	5 ozs.		
	KMO 65-8—Screw & Bolt Holder Length—8".	¼ lb.		
	KMO 436-1—Micrometer (0"-1")	¾ lb.		
	KMO 436-2—Micrometer (1"-2")	14 ozs.		
	KMO 436-3—Micrometer (2"-3")	1½ lbs.		
	KMO 436-4—Micrometer (3"-4")	2 lbs.		
	KMO 499—Electric Soldering Iron 110 Volt—150 Watt.	1¼ lbs.		

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION		ON HAND	ORDER
	KMO 619—Arbor Press—3 Ton Bench Type KMO 619 features a one-piece semi-steel frame, a square ram with large bearing surfaces and a shimmed ram cap to take up wear. **SPECIFICATIONS** Largest Diameter of Work ... 14" Capacity Over Table ... 11" Capacity Over Table Plate ... 10¼" Overall Height of Frame ... 19" Leverage Ratio ... 48 to 1	150 lbs.		
	KMO 629—Torque Wrench (0-50 Ft. Lbs.) ½" Sq. Drive.	1 lb.		
	**KMO 644—Arbor Press—10 Ton Bench Type** This press is of welded steel construction with Acme thread screw, removable screw nose, Timken roller bearing, adjustable table and adjustable screw handle. **SPECIFICATIONS** Largest Diameter of Work ... 18" Capacity—Table to Ram ... 11½" Overall Height to Frame ... 20¼" Largest Diameter of Arbor ... 3" Screw Travel ... 5"	80 lbs.		
	KMO 652—Torque Wrench (0-50 In. Lbs.) ⅜" Sq. Drive.	¼ lb.		
	KMO 653—Torque Wrench Adapter (To adapt ⅜" Drive Tension Wrenches to ½" Drive).	3 ozs.		
	KMO 667—Torque Wrench (0-150 In. Lbs.) ⅜" Sq. Drive.	1 lb.		
	KMO 692—Torque Wrench Adapter (To adapt ½" Drive Tension Wrenches to ⅜" Drive).	2 ozs.		

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION	ON HAND	ORDER

BENCH VISES

Equipment No. (With Swivel)	Width of Jaws	Maximum Opening	Depth of Throat	Shpg. Wgt. (With Swivel)
KMO 701	3"	4"	2 5/16"	23 lbs.
KMO 702	4"	5¼"	2⅝"	40 lbs.
KMO 703	4½"	5¼"	2⅝"	42 lbs.
KMO 704	5"	8"	3⅞"	66 lbs.

HEAVY DUTY VISES

KMO 705	4"	7"	3"	57 lbs.
KMO 706	4½"	8"	3⅞"	64 lbs.

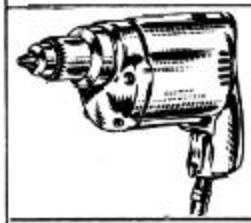
KMO 709-A—6 Ft. Steel Bench—With Drawer

KMO 710-A—6 Ft. Steel Bench—Less Drawer

Model KMO 709 is equipped with a steel drawer, size 14" x 20" x 5", complete with cylinder lock. Net weight, 160 lbs. Shipped knocked down.

Model KMO 710 is less the drawer. Net weight, 140 lbs. Shipped knocked down.

Length 72", Width 23¾", Bench Height 33⅝". Finish: Olive Green.



KMO 715—Drill (¼" Electric)

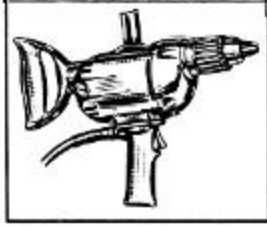
Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—¼" Steel, ½" Hardwood.
Speed—2100 R.P.M.—No Load. 1100 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

3¾ lbs.

KMO 716—Drill (½" Electric)

Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—½" Steel, 1" Hardwood.
Speed 500 R.P.M.—No Load. 350 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

9 lbs.



KMO 717—Drill (⅜" Electric)

Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—⅜" Steel, 1¼" Hardwood.
Speed 500 R.P.M.—No Load. 300 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

13 lbs.

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION	ON HAND	ORDER

KMO 718—Bench Grinder (6")

KMO 718 is a heavy duty bench grinder featuring many new developments which facilitate quicker starting, continuous operation under heavy loads and longer service life.
1/3 H.P.—110 volts—50/60 cycle, single phase. Two 6" x ¾" wheels furnished—one coarse, one fine abrasive. Spindle dia. ½".

60 lbs.

KMO 720—Copper Hammer

2¼ lbs.

N 383—Brass Drift (10" x ¾")

1½ lbs.

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION	ON HAND	ORDER

BENCH VISES

Equipment No. (With Swivel)	Width of Jaws	Maximum Opening	Depth of Throat	Shpg. Wgt. (With Swivel)
KMO 701	3"	4"	2 5/16"	23 lbs.
KMO 702	4"	5 1/4"	2 5/8"	40 lbs.
KMO 703	4 1/2"	5 1/4"	2 5/8"	42 lbs.
KMO 704	5"	8"	3 1/8"	66 lbs.

HEAVY DUTY VISES

KMO 705	4"	7"	3"	57 lbs.
KMO 706	4 1/2"	8"	3 1/8"	64 lbs.

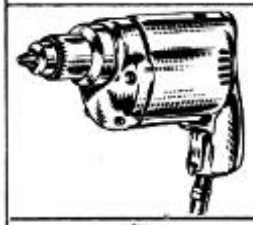
KMO 709-A—6 Ft. Steel Bench—With Drawer

KMO 710-A—6 Ft. Steel Bench—Less Drawer

Model KMO 709 is equipped with a steel drawer, size 14" x 20" x 5", complete with cylinder lock. Net weight, 160 lbs. Shipped knocked down.

Model KMO 710 is less the drawer. Net weight, 140 lbs. Shipped knocked down.

Length 72", Width 23 3/4", Bench Height 33 5/8". Finish: Olive Green.



KMO 715—Drill (1/4" Electric)

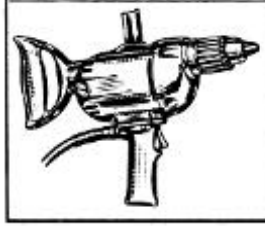
Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—1/4" Steel, 1/2" Hardwood.
Speed—2100 R.P.M.—No Load. 1100 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

3 3/4 lbs.

KMO 716—Drill (1/2" Electric)

Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—1/2" Steel, 1" Hardwood.
Speed 500 R.P.M.—No Load. 350 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

9 lbs.



KMO 717—Drill (3/8" Electric)

Includes 3 jaw Jacobs chuck and key, 3 conductor rubber covered cable and plug.
Capacity—3/8" Steel, 1 1/4" Hardwood.
Speed 500 R.P.M.—No Load. 300 R.P.M.—Full Load.
Voltage—110 v. A.C.-D.C. 25-60 cycle.

13 lbs.

GENERAL SHOP TOOLS & EQUIPMENT

ILLUSTRATION	TOOL NUMBER, DESCRIPTION	ON HAND	ORDER

KMO 718—Bench Grinder (6")

KMO 718 is a heavy duty bench grinder featuring many new developments which facilitate quicker starting, continuous operation under heavy loads and longer service life.
1/3 H.P.—110 volts—50/60 cycle, single phase. Two 6" x 3/4" wheels furnished—one coarse, one fine abrasive. Spindle dia. 1/2".

60 lbs.

KMO 720—Copper Hammer

2 1/4 lbs.

N 383—Brass Drift (10" x 3/4")

1 1/2 lbs.

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Accelerator Pedal Depressor	J 4396	14							X		
Asbestos Arm Shields	J 3360	13	X	X	X	X	X	X	X	X	X
Battery Terminal Cleaning Brush	KMO 505	15	X	X	X	X	X	X	X	X	X
Bearing Oil Leak Detector	KMO 500	15	X	X		X	X	X	X	X	X
Camshaft Bearing Remover and Replacer Set	J 2036	9									X
Camshaft Bearing Remover and Replacer Set	J 2250	10			X						
Camshaft Bearing Remover and Replacer Set	J 3063	12			X						
Camshaft Gear Remover and Replacer	J 971	7				X					
Camshaft and Sprocket Remover	J 3080	12			X						
Cam Gear Puller	HM 865	5									X
Carbon Removing Brush	KMO 7004	17	X	X	X	X	X	X	X	X	X
Carburetor and Fuel Pump Holding Fixture	J 1144-A	8	X	X	X	X	X	X	X	X	X
Carburetor Fast Idle and Unloader Bending Iron	J 1137	8						X			
Carburetor Float Level Gauge	J 4186	13				X					
Carburetor Pump Stroke Gauge	J 1475	8						X			
Carburetor Tool Set (Master)	J 3288	13	X	X	X	X	X	X	X	X	X
Carburetor Tool Set	J 505-G	6							X		
Carburetor Tool Set	J 505-NC	6						X			
Carburetor Tool Set	J 819-F	6					X				
Carburetor Tool Set	J 1577-G	9			X						
Carburetor Tool Set	J 2573-A	10								X	
Carburetor Tool Set	J 3233-A	13	X								
Carburetor Tool Set	J 3261	13									X
Carburetor Tool Set	KMO 267-B	15								X	
Carburetor Tool Set	KMO 268	15				X					
Coil Top Remover	J 726	6	X	X	X	X	X	X	X	X	X
Connecting Rod Aligner	J 3210	12	X	X	X	X	X	X	X	X	X
Connecting Rod Aligner and Bending Fixture	KMO 496	15	X	X	X	X	X	X	X	X	X
Connecting Rod Bending Iron	HM 3-R	5	X	X	X	X	X	X	X	X	X
Connecting Rod Bolt Guide Set	J 3224	13		X							
Connecting Rod Bolt Socket Set	J 1498-A	8		X							
Connecting Rod Bolt Socket (part of J 1498-A) Hex type	KMO 242A	15		X							
Connecting Rod Bushing Burnisher (.926")	J 516	6									X
Connecting Rod Bushing Burnisher Block	J 526	6									X
Connecting Rod Bushing Remover	J 540-1	6									X
Connecting Rod Bushing Replacer	J 540-2	6									X
Connecting Rod Bushing Remover and Replacer	J 1427	8						X			

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Connecting Rod Socket (Part of J 1498-A (Slotted Type)	J 2155	10			X						
Cooling System Leak Detector	KMO 598	16	X	X	X	X	X	X	X	X	X
Cooling Test Cap	J 1404	8						X			
Crankshaft and Cam Gear Replacer	HM 861-Y	5									X
Crankshaft Gear Puller	J 471	5					X				
Crankshaft Gear Puller	T 126-R	17				X					
Crankshaft Gear and Vibration Damper Replacer	J 483-A	6					X				
Cylinder Block Air Gun	J 1543-A	9			X						
Cylinder Checking Gauge (2½" to 6")	KMO 631	16	X	X	X	X	X	X	X	X	X
Cylinder Checking Gauge (2½" to 6")	KMO 913	17	X	X	X	X	X	X	X	X	X
Cylinder Compression Tester—Sun	KMO 213	14	X	X	X	X	X	X	X	X	X
Cylinder Head and Transmission Installing Pins (2)	J 2969	12, 24					X				
Cylinder Head Assembly Hooks	J 4266	14							X		
Cylinder Head Assembly Pins (2)	J 1336	8	X								
Cylinder Head Guide Stud Set	J 3455	13			X				X		
Cylinder Head Holder and Valve Spring Compressor	J 1656-CA	9				X					
Cylinder Head Holder and Valve Spring Compressor	J 2163	10	X								
Cylinder Head Holding Fixture and Valve Spring Compressor	J 2653	10						X			
Cylinder Head Holder and Valve Spring Compressor	J 3064	12			X				X		
Cylinder Head Removing Handles	J 4159	13			X						
Cylinder Head Stud Tap (Rolled Type)	J 2731	11								X	
Cylinder Head Stud Nut Wrench	J 2672	11						X			
Cylinder Head Wrench Attachment (¾" Box-½" Drive)	KMO 187-1	14	X			X					
Cylinder Head Wrench Attachment (⅝" Box-½" Drive)	KMO 187-3	14	X								
Cylinder Head Wrench (wide sweep) (¾" Box-½" Drive)	KMO 187-10	14				X					
Cylinder Hone (Range 2.6" to 5½")	KMO 1000-A	17	X	X	X	X	X	X	X	X	X
Cylinder Ridge Cutter (Range 2.6" to 4¾")	KMO 638	16	X	X	X	X	X	X	X	X	X
Distributor Cap Terminal Cleaner	KMO 230	14	X	X	X	X	X	X	X	X	X
Distributor Bushing Rem. and Rep. and Burnisher	J 4172	13						X	X		X
Distributor Point Aligning Tool	KMO 643	16									X
Distributor Point Checking Scale	J 2945	11		X							X
Distributor Point Feeler Gauge (.017" and .020")	J 1856	9					X				
Distributor Point Setting Light	J 1428	8	X	X	X	X	X	X	X	X	X

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Distributor Point Setting Tool	J 3955	13	X	X						X	
Distributor Rotor Puller	J 744	6					X				
Engine Jacks (2)	J 1580	9	X								
Engine Lift Bracket	J 2782	11					X				
Engine Lifting Attachment	J 2967	12				X					
Engine Lifting Eye Bolt (14mm thread)	J 232-A	5							X		
Engine Lifting Eye Bolts (½" x 13 Thread) (Pair)	J 1944	9									X
Engine Lifting Eye Bolts (7/16" x 14 Thread) (Pair)	J 1946	9									X
Engine Support Fixture	J 3068	12			X						
Engine Timing Light—Sun	KMO 318	15	X	X	X	X	X	X	X	X	X
Fan Belt Adjusting Adapter	J 4139	13							X		
Fan Hub Puller	J 679-A	6	X								
Flywheel Stud Hole Reamer (.437")	J 183	5							X		
Flywheel Turning Tool	J 1786	9							X		
Front Cover Oil Seal Remover	J 4176	13							X		
Front Cover Oil Seal Replacer	J 4177	13							X		
Fuel Pump Tester—Sun	KMO 144	14	X	X	X	X	X	X	X	X	X
Fuel Pump Diaphragm Flexing Tool	KMO 613	16	X								X
Fuel Pump Filter Bowl Nut Wrench	KMO 655	16	X								
Fuel Pump Rocker Arm Dummy Pin	KMO 707	16	X								X
Gas-Per-Mile Gauge (Mileage Tester)	J 5091	14	X	X	X	X	X	X	X	X	X
Generator Belt Adjusting Tool	J 3046	12		X							
Generator Belt Adjusting Tool	J 4170	13							X		
Harmonic Balancer Puller	J 967	7				X					
Harmonic Balancer Puller and Replacer	J 1287	8				X					
Heat Riser Adapter Depth Gauge	J 941-4	7								X	
Hydraulic Valve Lifter Assembly Tools	J 4274	14				X					
Hydraulic Valve Tappet Checking Tool	J 3176	12								X	
Key to Chevrolet Performance	KMO 1043-B	17				X					
Main Bearing Cap Remover	J 2955	11					X				
Main Bearing Insert Remover	KMO 734	16					X				
Main Bearing Packing Compressor	J 2779	11					X				
Oil Check Valve Remover and Replacer	J 1454	8					X				
Oil Line Cleaning Brush Set (5)	KMO 462	15	X	X	X	X	X	X	X	X	X
Oil Nozzle Checking Tool Set	J 2130-B	10				X					
Oil Pump and Distributor Gear Press Plate	J 959-A	7							X		
Oil Pump and Distributor Timing Gauge	J 2794	11					X				

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Oil Pump Drive Gear Puller	J 2959	11									X
Oil Strainer Installer	KMO 916	17									X
Piston and Valve Rack	KMO 464	15	X	X	X	X	X	X	X	X	X
Piston Fitting Feeler and Scale (.002" and .0015")	HM 593-A	5							X		
Piston Fitting Feeler and Scale (.002" and .0025")	HM-593-N	5						X			
Piston Fitting Feeler and Scale (.002"-.003")	J 336-A	5									X
Piston Feeler and Scale (.0015"-.002"-.003")	J 888	7					X				
Piston Pin Assembly Pilot	J 2561	10								X	
Piston Pin Assembly Tool	J 1293-C	8									X
Piston Pin Bushing Broach and Burnisher	J 2791	11					X				
Piston Pin Bushing Burnisher	J 2949	11					X				
Piston Pin Bushing Burnisher Block	J 2950	11					X				
Piston Pin Bushing Burnisher Block	J 2951	11					X				
Piston Pin Bushing Driver and Burnisher Set	J 1604	9						X			
Piston Pin Bushing Reamer (.855")	HM 586	5							X		
Piston Pin Bushing Reamer (.856")	J 874-9	7							X		
Piston Pin Bushing Reamer (.750")	J 874-16	7					X				
Piston Pin Bushing Reamer (.812")	J 874-17	7	X					X			
Piston Pin Bushing Reamer (.875")	J 874-18	7	X	X				X		X	
Piston Pin Bushing Reamer (.936")	J 874-19	7									X
Piston Pin Bushing Reamer (.865")	J 965-3	7				X					
Piston Pin Remover and Installer	J 742	6					X				
Piston Pin Bushing Remover and Replacer (.840")	J 1674	9							X		
Piston Pin Remover and Installer	J 2789	11					X				
Piston Pin Bushing Remover and Replacer	J 2790	11					X				
Piston Pin Bushing Remover and Replacer	J 2948	11					X				
Piston Pin Bushing Remover and Replacer Support Block	J 1649	9							X		
Piston Pin Bushing Replacement Set	J 2555	10								X	
Piston Pin Fitting Fixture	J 3848	13			X						
Piston Pin Hone	KMO 555	16			X						X
Piston Pin Hone	KMO 754	17			X				X		
Piston Pin Hone Blades Range 1" to 1-1/16"	KMO 555-4	16			X						X
Piston Reaming Fixture	J 965-A	7				X					
Piston Ring Compressor (3-3/16")	J 4291	14	X								
Piston Ring Compressor (3-9/16")	J 4460	14								X	
Piston Ring Compressor (3¼")	J 4461	14								X	

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER	
Piston Ring Compressor (Range 2⅛" to 5")	KMO 357	15	X	X	X	X	X	X	X	X	X	
Piston Ring Compressor (3-3/32")	KMO 584	16	X									
Piston Ring Compressor (3-7/16")	KMO 585	16	X									
Piston Ring Compressor (3⅜")	KMO 712	16			X					X		
Piston Ring Compressor (½")	KMO 713	16			X							
Piston Ring Compressor (3-13/16")	KMO 740	17			X							
Piston Ring Expanders	KMO 297-A/ 297-R	15	X	X	X	X	X	X	X	X	X	
Piston Ring File	KMO 495	15	X	X	X	X	X	X	X	X	X	
Piston Vise	J 1218	8	X	X	X	X	X	X	X	X	X	
Puller Set	HM 925	5									X	
Radiator Flusher	J 708-A	6	X	X	X	X	X	X	X	X	X	
Rear Crankshaft Bearing Oil Seal Packing Driver	J 1610	9						X				
Rear Main Bearing Oil Seal Compressor (2.937" dia.)	J 955	7							X			
Rear Main Bearing Oil Seal Compressor	J 1045	7								X		
Rear Main Bearing Oil Seal Installer	J 3048-A	12			X							
Remote Control Starter Switch	J 2679	11	X	X	X	X	X	X	X	X	X	
Shank and Cutter Set (part of w/p Seal Seat Refinisher J 2999-A)	J 3273	13			X							
Starter Motor Wrench	J 1047	7								X		
Stud Wrench (5/16" to ⅝")	KMO 486	15	X	X	X	X	X	X	X	X	X	
Tappet Feeler Gauge (.011" and .013")	KMO 233-B	15								X		
Tappet Gauge Set (Hydraulic) (.030" and .070")	J 2553	10								X		
Timing Chain Cover Oil Seal Driver	J 1870	9	X									
Timing Gear Cover Aligning Arbor	J 2562	10								X		
Timing Gear Cover Centering Gauge	J 966	7				X						
Timing Gear Cover Oil Seal Driver	J 995	7				X						
Timing Gear Cover Oil Seal Remover and Installer Set	J 2776	11					X					
Timing Setting Gauge	J 1248	8							X			
Timing Sprocket Setting Gauge	HM 408-P	5									X	
Vacuum Checking Gauge	J 89	5	X	X	X	X	X	X	X	X	X	
Valve and Clutch Spring Tester	KMO 607	16	X	X	X	X	X	X	X	X	X	
Valve Feeler Gauge (.017"-.018"-.019")	KMO 467	15	X									
Valve Guide Cleaners	KMO 122	14	X	X	X	X	X	X	X	X	X	
Valve Guide Counterbore Cleaner (Exhaust)	J 2122	9									X	
Valve Guide Counterbore Reamer	J 1941	9			X							
Valve Guide Counterbore Reamer	J 3073	12			X							
Valve Guide Driver and Depth Gauge	J 2577	10								X		

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER	
Valve Guide Reamer (.343" Finishing)	J 129-2	5			X	X	X	X	X	X		
Valve Guide Reamer (.345")	J 3059	12								X		
Valve Guide Reamer (.341") (Roughing)	J 3060	12				X			X			
Valve Guide Remover	J 719	6							X			
Valve Guide Remover	J 2542	10									X	
Valve Guide Remover	J 2580	10								X		
Valve Guide Remover	J 2814	11							X			
Valve Guide Replacer	J 1042	7								X		
Valve Guide Replacer (Intake)	J 1089	8				X						
Valve Guide Replacer (Exhaust)	J 1090	8				X						
Valve Guide Replacer	J 1429-B	8							X			
Valve Guide Replacer	J 2635-A	10							X			
Valve Holder Adapter Plate	J 3217	12								X		
Valve Key Catcher	KMO 641	16										X
Valve Key Replacer	J 1953	9						X		X		X
Valve Lapper (Air Operated)	KMO 967	17	X	X	X	X	X	X	X	X	X	X
Valve Lifter	KMO 642	16				X	X	X				X
Valve Lifter Bracket Installer	J 827	6			X							
Valve Lifter Guide Hole Oversize Reamer (1.0050")	J 706-P	6									X	
Valve Lifter Guide Plug Gauge (.625" go-no-go)	J 1067	7								X		
Valve Lifter Lock Ring Installer	J 2730	11			X							
Valve Lifter Remover	J 3049	12			X							
Valve Lifter Remover and Replacer	J 257-X	5			X							
Valve Lifter Tester	J 2966	12			X							
Valve Lifter Tester	J 3074	12			X							
Valve Remover	J 2153	10	X			X	X	X				X
Valve Reseater Set	KMO 105-B	14				X						
Valve Seat Cutter Set	J 4387	14				X						
Valve Stem Guide Installer	J 3066	12			X							
Valve Stem Guide Reamer (.375")	J 129-3	5	X						X			
Valve Stem Guide Reamer (.3125")	PR 131	17									X	
Valve Stem Guide Remover (11/32")	J 267	5				X	X					
Valve Stem Guide Remover	J 3062	12			X							
Valve Stem Guide Remover and Replacer (⅜")	J 269	5	X									
Valve Stem Guide Remover and Replacer Set	J 2034	9										X
Valve Stem Guide Replacer	J 826-A	6			X							
Valve Stem Guide Replacer Set	J 883-B	7					X					
Valve Stem Length Gauge	J 1055	7			X							
Valve Spring Compressor	J 1378	8							X			
Valve Spring Compressor	J 1612	9							X			
Valve Spring Inserter	J 587-A	6					X					
Valve Spring Lifter	HM 536	5								X	X	X

ENGINE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Valve Spring Lifter	KMO 484	15					X				
Valve Tappet Feeler Gauge (.006"-.008"-.010"-.012")	J 478-A	5					X				
Vibration Damper Puller	J 676-C	6					X				
Vibration Damper Puller	J 2582	10								X	
Vibration Damper Puller	J 2636	10								X	
Voltage Regulator and File Set	J 4182-A	13									X
Voltage Regulator Gauge and File Set	KMO 506-A	16									X
Water Jacket Plug Installer	J 2793	11					X				
Water Pump Adjusting Wrench	J 2799	11						X			
Water Pump Bushing Reamer	KMO 314	15						X			
Water Pump Bushing Remover and Replacer	J 1419	8						X			
Water Pump Bushing Remover Burnisher and Replacer Set	J 2749	11					X				
Water Pump Facing Cutter	J 1501	8									X
Water Pump Fan Pulley Puller	J 1226	8				X					
Water Pump Holding Fixture	J 2778	11					X				
Water Pump Impellor Puller	J 3211-A	12			X						
Water Pump Seal Installer	J 1456	8							X		
Water Pump Seal Seat Reamer (1.437")	J 1455-A	8							X		X
Water Pump Seal Seat Refinisher	J 2999	12			X						
Water Pump Seal Seat Refinishing Set	J 1720-A	9								X	
Water Pump Shaft Installer and Hub Spacer	J 3249	13			X						
Water Pump Impeller Shaft Installing Pilot	J 831	6			X						
Water Pump Shaft Slinger Installer	J 1446	8							X		

CLUTCH

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Clutch Aligning Arbor	J 449	18					X				
Clutch Aligning Arbor	J 1031	18			X						
Clutch Adjusting Gauge	J 1507-A	18						X			
Clutch Aligning Gauge	J 285	18						X	X		
Clutch Aligning Gauge	J 2045	19									X
Clutch Aligning Tool	J 1425	18						X			
Clutch Aligning Tool	J 1435	18						X			
Clutch Aligning Tool	J 1625	18						X			
Clutch Aligning Tool	K 411	19				X					
Clutch Driven Plate Aligning Arbor	J 2581	19								X	
Clutch Guide Pins (3)	J 857	18	X								
Clutch Finger Setting Gauge	J 4389	19							X		
Clutch Finger Equalizer Gauge	J 285-C	18			X						
Clutch Lever Height Gauge	J 2584	19						X			

CLUTCH

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Clutch Pilot Bearing and Retainer Installer	J 2985	19			X						
Clutch Pilot Bearing Driver	J 1522-A	18				X					
Clutch Pilot Bearing Puller	J 877-A	18					X				
Clutch Pilot Bearing Puller	J 4383	19			X						
Clutch Pilot Bearing Replacer	J 2157	19									X
Clutch Pilot Bearing Replacer	K 410	19				X					
Clutch Pilot Bearing Retainer Puller	K 445-B	19				X					
Clutch Pilot Bronze Bearing Puller	J 1448	18				X			X		
Clutch Pilot Bushing Remover	J 1418-A	18						X			
Clutch Shaft Pilot Bearing Remover	J 164	18	X						X	X	X
Clutch Shaft Pilot Bearing Remover	J 489	18							X		
Cover Spring Assembly Set	J 1039	18	X								
Filler Plug Wrench	J 472	18					X				
Finger Adjusting Gauge	J 774	18					X				
Finger Setting Gauge	J 1048	18							X		
Over-Center Spring Holding Tool	J 1675	19						X			
Over-Center Spring Lever Gauge	J 1650	19						X			
Over-Center Spring Remover and Installer	J 2956	19					X				
Pedal Shaft Aligning Tool	J 1441	18				X					
Release Lever Adjusting Fixture	J 1013	18	X								
Release Lever Adjusting Gauge	J 1036	18	X								
Slide Hammer Assembly	J 2619-A	19			X						
Synchro Clutch Snap Ring Installer	J 1421	18						X			
Throwout Collar Run-Out Indicator	J 2124	19								X	
Toggle Lever Setting Gauge	J 2207	19									X

STANDARD TRANSMISSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Cluster Gear Countershaft Remover and Installer	J 1184	21							X		
Clutch Gear and Bearing Puller	J 937	20				X					
Clutch Gear Remover	J 2669	23, 24				X					
Clutch Gear Bearing Remover Plate	J 936	20				X					
Clutch Gear Bearing Remover Plate	J 2228	23				X					
Clutch Gear Bearing Replacer	J 1453	22				X					
Clutch Gear Bearing Retainer Wrench	J 933	20				X					
Clutch Gear Bearing Retaining Nut Spanner Wrench	J 2670	24				X					
Clutch Shaft Bearing and Snap Ring Installer	J 2995	24						X			
Companion Flange Holding Tool	J 2659	23								X	

STANDARD TRANSMISSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Companion Flange Remover	J 1412	21						X			
Companion Flange Replacer	J 1375-A	21						X			
Countergear Needle Bearing Loader	J 1001	20		X							
Countershaft Assembling Bar	J 2559	23								X	
Countershaft Assembly Tool	J 531	20							X		
Countershaft Assembly Tool	J 1415-A	21						X			
Countershaft Assembly Tool	J 1595	22						X			
Countershaft Assembly Tool	J 1617	22				X					
Countershaft Assembly Tool	J 2632	23						X			
Countershaft Assembly Tool	K 386	24				X					
Countershaft Front Bearing Remover and Replacer	J 994	20				X					
Countershaft Gear Cluster and Idler Gear Bushing Reamer	KMO 338	24					X				
Countershaft Line Reamer	J 466	20					X				
Countershaft Needle Bearing Loader	J 1334	21		X							X
Countershaft Needle Bearing Loader	J 1449	22							X		
Countershft Rear Bearing Remover	TR 278-R	24				X					
Extension Housing Oil Seal Remover Collet	J 2623	23			X						
Extension Housing Oil Seal Remover Collet	J 2726	24			X						
Drivemaster Test Harness	KMO 670	24					X				
Flywheel Housing Alignment Tool Set (with 12 Dowels, less Dial Indicator Set)	J 808-A	20		X							
Flywheel Housing Alignment Tool Set (with 12 Dowels and Dial Indicator Set)	J 808-B	20		X							
Flywheel Housing Alignment Tool Set	J 2548	23							X		
Flywheel Housing Runout Checking Post	J 2494	23				X					
Gear Shift Lever Remover	J 1044	21							X		X
Gear Shift Lever Remover and Replacer	K 353	24				X					
Governor Switch Spanner Wrench	KMO 369	24					X				
Last Word Dial Indicator (for checking high gear hop-out)	J 4455	24				X					
Mainshaft and Drive Gear Bearing Remover	J 1134-H	21		X			X				
Main Drive Gear Oil Seal Replacer	J 1569	22					X				
Mainshaft and Bearing Assembly Remover and Replacer	J 2667	23				X					
Mainshaft and Drive Gear Bearing Replacer	J 1570	22					X				

STANDARD TRANSMISSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Mainshaft Bearing Installer	J 1648	22						X			
Mainshaft Bearing Remover	J 2169	23					X				
Mainshaft Intermediate Gear Retainer Replacer	J 448-5	20					X				
Mainshaft Remover and Replacer	J 938-A	20				X					
Manual Lever Gauge	J 1609	22							X		
Manual Lever Gauge	J 1872	23							X		
Mainshaft Snap Ring Installing Set	J 1499	22					X				
Mainshaft Snap Ring Remover	J 1041	21	X						X		X
Overdrive Gear Bushing Remover and Replacer	J 1568	22					X				
Overdrive Governor Wrench	J 3227	24								X	
Press Plate Holder	J 358-1	20	X	X	X	X	X	X	X	X	X
Rear Bearing Extension Bushing Service Set	J 1450-B	22							X		
Rear Bearing Housing Oil Seal Replacer	J 1050	21							X		
Rear Bearing Oil Seal Installer	J 1354	21						X	X		X
Rear Bearing Retainer Oil Seal Driver	J 1488	22				X					
Reverse Idler Gear Bushing Reamer 1.128"	J 2668	23,24				X					
Reverse Idler Gear Bushing Reamer	KMO 349	24				X					
Reverse Idler Gear Bushing Remover and Replacer	J 1614	22				X					
Reverse Idler Gear Bushing Remover and Replacer	J 1662	23				X					
Reverse Idler Gear Bushing Staking Tool	J 2680	24				X					
Reverse Idler Gear Shaft Remover	J 1010	20							X		
Second and Direct Speed Clutch Gear Clamp	J 2563	23								X	
Shift Collar Centering Gauges (2)	J 1410	21						X			
Shift Collar Centering Gauges (2)	J 1542	22						X			
Shift Gear Segment Aligning Pin	J 1390	21						X			
Shift Rod Adjusting Gauge	J 1308-B	21									X
Shifter Fork Indexing Tool	J 1571-A	22					X				
Shifter Fork Lock Screw Remover	J 2895	24	X						X		X
Shifter Fork Shaft Seal Replacer	J 2633	23						X			
Shifter Lever Adjuster	J 1204-A	21			X						
Shifter Lever Shaft Cork Seal Installer	J 1169	21							X		
Shifter Shaft Spring and Ball Installer	J 1168	21							X		
Snap Ring Pliers	KMO 630	24	X	X	X	X	X	X	X	X	X
Speedometer Gear Remover Plate	K 342	24				X					
Speedometer Gear Remover and Replacer (clutch gear bearing and mainshaft bearing replacer)	J 4390	24							X		

STANDARD TRANSMISSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Speedometer Gear Replacer	K 343	24				X					
Spline Shaft Snap Ring Remover	J 1130	21								X	
Spline Shaft Snap Ring Remover	J 1130-0	21							X		
Spine Shaft Snap Ring Replacer	J 1267	21			X				X		
Synchronizer Ring Protector	J 1526	22									X
Synchronizer Ring Protector	J 2039	23									X
Synchronizer Ring Protector	J 2040	23									X
Synchronizing Ring Retaining Spring Remover and Replacer	J 932	20				X					
Third Speed Gear Bushing Installer	J 2671	24				X					
Torque Ball Installing Tool	J 2597	23	X								
Transmission and Rear Axle Oil Seal Installer	J 1556	22						X			
Transmission Assembly Holding Stand	J 934	20				X					
Transmission Assembly Pilot Shaft	J 2177	23									X
Transmission Front and Rear Bearing Remover	J 1298-B	21									X
Transmission Front Bearing Remover	J 1298-NA	21						X			
Transmission Guide Pins (2)	J 1434	22						X			
Transmission Guide Pins (2)	J 851	20	X								
Transmissions Guide Pin Set (2) ½" x 13 Thd.	J 1126	21				X			X		
Transmission Holding Stand	J 1413-A	21						X			
Transmission Holding Stand	J 2541-A	23			X			X	X		X
Transmission Mainshaft Bearing Puller	J 1619	22				X					
Transmission Pinion Thrust Yoke	J 1525	22						X			X
Transmission Rear Bearing Snap Ring Locating Levers (2)	J 1409	21						X			
Transmission Rear Bearing Snap Ring Remover	J 3185	24				X					
Transmission Rear Flange Oil Seal Replacer	J 2038	23									X
Transmission Remover and Replacer	J 2808	24						X	X		X
Transmission Speedfinder Depressor and Aligner	J 1600-A	22						X			
Transmission Thrust Yoke	J 3042	24						X			
U-Joint Clamp	J 881-A	20									X
U-Joint Companion Flange Holding Tool	J 2035	23									X
U-Joint Companion Flange Puller	J 820	20					X				
U-Joint Puller	J 682-A	20	X								
U-Joint Puller	J 859-A	20	X								
U-Joint Replacer	J 855	20	X								
U-Joint Replacer	J 865	20	X								
Vacuum Cylinder Adjusting Bushing	J 1452-5	22				X					

HYDRA-MATIC

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Bellcrank to Cross Shaft Gauge	J 1470	25							X		
Carburetor to Bellcrank Gauge	J 1468	25							X		
Clutch Hub Spacer	J 1877	25							X		
Clutch Hub Torus Nut Wrench	KMO 334	27			X				X		
Engine Support Tool	J 4179	27						X			
Extension Housing Oil Seal Remover Collet	J 2623	27			X						
Extension Housing Oil Seal Remover Collet	J 2726	27			X						
Extension Rear Oil Seal Installer	J 1942-A	25			X						
Flywheel-Crankshaft Dowel Pin Remover and Replacer Set	J 2774	27						X			X
Flywheel Housing Alignment Tool Set (.522")	J 2548	26							X		
Front Drum Spacer	J 2173	26							X		X
Front Planet Carrier Assembly Holder	J 2187	26			X			X	X		X
Front Pump Cover Oil Sealer Installer	J 1776-A	25			X				X		
Front Pump Cover Oil Seal Installer	J 2170	26						X	X		X
Front Pump Holder and Socket Set	J 2184-A	26			X			X	X		X
Front Servo Gauge	J 1693-A	25			X			X	X		X
Governor Flange and Pump Riveting Set	J 2183	26			X			X	X		X
Hydra-Matic Hoist Adapter	J 4164	27, 32			X			X	X		X
Hydra-Matic Clutch Air Checking Tool Set	J 4353	27			X						
Linkage Adjusting Pins (3)	J 2544-A	26							X		X
Mainshaft Endplay Dial Indicator Extension Rod	J 1465	25			X			X	X		X
Mainshaft Snap Ring Remover (Small)	J 1458	25			X			X	X		X
Oil Delivery Sleeve Ring Compressor	J 1537	25			X			X	X		X
Planet Assembly Holding Fixture	J 2190	26							X		
Planet Pinion Service Tool Set	J 2144	25							X		
Planet Pinion Swaging Set	J 2175	26							X		
Pressure Checking Gauge	J 2540	26			X			X	X		X
Rear Bearing Extension Bushing Service Set	J 1450-B	25							X		
Rear Bearing Retainer Oil Seal Installer	J 1354	25						X	X		X
Rear Clutch Hub Retainer Bracket	J 2174	26			X			X	X		X
Rear Clutch Hub Retaining Tool	J 1691	25							X		

HYDRA-MATIC

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Rear Servo Gauge	J 5071	27			X			X	X		X
Reverse Gear Backlash Gauge	J 2650	27			X			X	X		X
Reverse Unit Bearing Driver	J 1654	25			X						
Servo Band Adjuster	J 2681-A	27			X			X	X		X
Servo Band Adjusting Wrench	J 1459	25			X				X		
Snap Ring Pliers	KMO 630	27			X			X	X		X
Speedometer Drive Gear Spacer	J 2191	26						X	X		X
Speedometer Drive Gear Spacing Gauge	J 1464	25			X				X		
Throttle Lever Bending Tool	J 2029	25			X				X		
Throttle Lever Bending Tool	J 2807	27									X
Throttle Lever Bending Tool	J 3310	27						X			
Throttle Lever Checking Fixture	J 2195	26							X		
Throttle Lever Checking Gauge	J 2545	26						X			X
Throttle Lever Checking Gauge	J 3065	27			X						
Throttle Linkage Adjusting Pins	J 4158	27						X			
Throttle Linkage Gauge	J 1653	25			X						
Torus Cover Hub Checking Fixture	J 2549	26							X		
Torus Cover Hub Checking Gauge	J 2586	26						X			X
Transmission Auxiliary Unit Stand	J 1463	25			X				X		
Transmission Bearing Retainer Remover	J 2182	26			X			X	X		X
Transmission Hoist	J 1636-B	25			X					X	
Transmission Holding Stand	J 2541-A	26			X			X	X		X
Transmission Lifting Eye Bolt	J 1636-SA-5	25			X			X		X	
Transmission Mainshaft Endplay Guide	J 2587	26			X			X	X		X
Transmission Remover and Replacer	J 2808	27, 31			X			X	X		X

DYNAFLOW

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Clutch Spring Compressor	J 2590	28		X							
Converter Clearance Gauge	J 2596	28		X							
Converter Clearance Gauge	J 3045	28		X							
Dynaflow Adapter for Model "63" Transmission Hoist	J 3961	28, 33		X							
Dynaflow Adapter for Model "27" Transmission Hoist	J 4238	28, 33		X							
Dynaflow Case Bushing Remover and Replacer	J 3175	28		X							
Dynaflow Planet Carrier Bushing Remover	J 3197	28		X							
Dynaflow Planet Carrier Bushing Replacer	J 2996	28		X							
Dynaflow Rear Bearing Retainer Bushing Remover and Replacer	J 2997	28		X							
Flywheel Turning and Drain Plug Wrench	J 4420	28		X							

DYNAFLOW

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Primary Stator Assembly Tool	J 2592	28		X							
Primary Stator Assembly Tool	J 3081	28		X							
Shift Control Linkage Adjustment Gauge	J 3085	28		X							
Transmission Access Cap Removing Tool	J 2655	28		X							
Transmission Anchor Piston Gauge	J 2657	28		X							
Transmission Band Installing Clip	J 2595	28		X							
Transmission Feeler Gauge	J 2648	28		X							
Transmission Linkage Hook-Up Finger	J 2591	28		X							
Transmission Oil Pressure Gauge	J 2575	28		X							

POWER GLIDE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Accumulator Retaining Snap Ring Pliers	J 4245	29				X					
Clutch Spring Compressor	J 3364	29				X					
Flywheel Indexing Tool	J 4281	29				X					
Front Pump Driver	J 4263	29				X					
Front Pump Seal Driver	J 4240	29				X					
Modulator Assembly Tool	J 4261	29				X					
Parking Lock Pawl Spring Remover and Replacer	J 3383	29				X					
Reverse Servo Piston Apply Spring Compressor	J 3377	29				X					
Servo Band Adjusting Wrench	J 4277	29				X					
Servo Ring Compressor	J 3365	29				X					
Snap Ring Pliers	KMO 410	29				X					
Stator Race Installer	J 3362	29				X					
Transmission Assembly Fixture	J 3361	29				X					
Transmission End Clearance Gauge	J 4260-A	29				X					
Transmission Hoist	J 4279	29				X					
Transmission Lifting Sling	J 4262	29				X					
Transmission Oil Filler Tube and Funnel	J 4264	29				X					
Transmission Oil Pressure Gauge	J 4268	29				X					
Transmission Pilot Stud Set	J 3387	29				X					
Transmission Rear Bearing Installer	J 4276	29				X					
Transmission Rear Bearing Remover	J 4275	29				X					
Turbine Bushing Remover and Replacer Set	J 4375	29				X					

STUDEBAKER AUTOMATIC

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Brake Band Adjusting Tool	J 4285	30									X
Converter Alignment Flange	J 4286	30									X

STUDEBAKER AUTOMATIC

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Throttle Linkage Adjusting Fixture	J 4391	30									X
Transmission Pilot Studs (2)	J 4284	30									X
Transmission Pressure Gauge	J 4270	30									X
Spline Alignment Fixture	J 4283	30									X
Studebaker Automatic Transmission Adapter for Models "27" and "63" Transmission Hoists	J 4287	30									X

AUTOMATIC TRANSMISSION HANDLING EQUIPMENT

Dynaflow Adapter for Model "27" Transmission Hoist	J 4238	28, 33	X								
Dynaflow Adapter for Model "63" Transmission Hoist	J 3961	28, 33	X								
Height Adapter 4"	J 3845-56	32	X	X				X	X	X	X	X
Hydra-Matic Adapter for Model "27" and "63" Transmission Hoists	J 4164	32		X				X	X		X	
Model "27" Transmission Hoist	J 4560	33	X	X				X	X	X	X	X
Model "63" Transmission Hoist	J 4559	32	X	X				X	X	X	X	X
Transmission Hoist	J 1636-B	25, 31		X						X		
Transmission Hoist	J 4279	29, 31				X						
Transmission Lifting Eye Bolt	J 1636-SA-5	25, 31		X				X	X		X	
Studebaker Automatic Transmission Adapter for Model "27" and "63" Transmission Hoists	J 4287	33										X

REAR AXLE

Axle and Pinion Shaft Bearing Remover and Replacer Set	J 358-H	34					X				
Axle Bearing and Retainer Replacer	J 270-7	34				X					
Axle Bearing Remover and Replacer Set	J 947-O	35							X		
Axle Bearing Replacer Head	K 427	41				X					
Axle Shaft and Bearing Remover	J 2498-A	38						X			
Axle Shaft Bearing Cone Remover	J 2641	39					X				
Axle Shaft End Play Gauge	J 2560	39								X	
Axle Shaft End Play Tool	J 2092	37						X			
Axle Shaft Oil Seal Driver	J 2554	39								X	
Axle Shaft Oil Seal Remover	J 943-B	35								X	
Axle Shaft Oil Seal Replacer	J 2539	39						X			
Axle Shaft Oil Seal Replacer	J 2626	39						X			
Axle Shaft Puller	J 2552	39								X	
Axle Shaft Remover Adapter	J 1436-8	36				X					
Axle Threading Die (2⅛"-16)	KMO 475	41				X					
Bearing Cup and Oil Seal Replacer Set	J 270-5A	34									X

REAR AXLE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Chain Grip Wrench	J 987	35				X					
Companion and Propeller Shaft Flange Remover	J 2984	40							X		
Companion Flange and Pinion Bearing Pusher	J 2204-A	37									X
Companion Flange Holding Tool	J 2637	39					X				
Companion Flange Holding Tool	J 2933	39							X	X	
Companion Flange Nut Socket Wrench	J 2971	40					X				
Differential Adjusting Wrench	J 972	35				X	X		X	X	
Differential Bearing Adjusting Nut Wrench	J 1365	36	X								
Differential Bearing Cone Replacer	J 2646	39					X				
Differential Carrier Fixture	J 3289	41					X		X	X	X
Differential Case Bearing Remover	J 1318	36				X					
Differential Cross Shaft Bearing Nut Wrench	J 1316	36				X					X
Differential Pinion Bearing Preload Indicating Wrench and Adapter	J 2571-B	39								X	
Differential Pinion Shaft Oil Seal Replacer	J 1357	36			X						
Differential Side Bearing Adjuster	J 3232	40								X	
Differential Side Bearing Installer	J 3246	40								X	
Differential Side Bearing Installer	J 3248	40								X	
Differential Side Bearing Puller	J 986-5	35									X
Differential Side Bearing Puller	J 2241-A	38	X				X				
Differential Side Bearing Puller	J 3250	41								X	
Differential Side Bearing Puller	TR 278-R	41				X			X	X	X
Differential Side Bearing Remover	J 2497-A	38						X			
Differential Side Bearing Replacer	J 941	35							X		X
Differential Side Bearing Replacer	J 994	35				X					
Differential Side Bearing Replacer	J 1312-A	36				X					
Differential Side Bearing Replacer	J 1488	37				X					
Differential Side Bearing Replacer	J 2100	37						X			
Differential Side Bearing Replacer	J 2104	37						X			
Differential Side Bearing Replacer	J 2226	38				X					
Differential Side Bearing Replacer	J 2242	38	X								
Driver Handle	J 872-5	35	X	X	X	X	X	X	X	X	X
Drum Anvil and Hub Bolt Peening Set	J 554-B	34				X					
Front Pinion Bearing Cup Installer	J 3243	40								X	
Front Pinion Bearing Remover Plate	J 1453	37				X					
Front Pinion Bearing Replacer	J 939	35							X		X
Front Propeller Shaft Bushing Replacer	J 2243	38				X					
Hub Bolt Peening Tool (7/16")	J 554-3	34				X					
Hub Bolt Peening Tool (9/16")	J 554-4	34				X					
Hub Bolt Peening Tool (⅝")	J 554-11	34				X					

REAR AXLE

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Rear Axle Shaft and Bearing Puller	J 838	34			X						
Rear Axle Shaft and Bearing Puller	J 942	35							X		X
Rear Axle Shaft and Bearing Puller Adapter	J 942-1	35			X						
Rear Axle Shaft Puller	HM 931	34									X
Rear Axle Shaft Puller	J 352	34					X				
Rear Axle Wheel Bearing Nut Wrench	J 870	34				X					
Rear Hub Oil Seal Replacer	J 3067	40				X					
Rear Pinion Bearing Cup Installer	J 3230	40								X	
Rear Pinion Bearing Cup Remover	J 3231	40								X	
Rear Pinion Bearing Replacer	J 940	35							X		X
Rear Wheel Bearing Lock Nut Clinching Tool	J 2827	39									X
Rear Wheel Bearing Nut Wrench, 2⅞" Hex.	KMO 570	41									X
Rear Wheel Bearing Race Replacer	J 1433-1	36						X			
Rear Wheel Hub Puller	J 446	34					X				
Rear Wheel Hub Puller	J 446-A	34									X
Rear Wheel Hub Puller	J 596-A	34									X
Rear Wheel Hub Puller	J 1644-B	37						X			
Rear Wheel Hub Puller	736-A	34					X				
Ring Gear and Differential Test Fixture	U 4-B	41	X								
Ring Gear Riveting Jig	J 2196-A	37	X								
Slide Hammer Assembly	J 2619-A	39			X						
Slide Hammer Assembly	J 2654-A	39				X					
Tension Checking Scale (Differential Bearing Preload)	J 544-A	34						X	X		X
Torque Tube Front and Rear Bushing Remover	J 4258	41				X					
Torque Tube Front Bushing Installer	J 4290	41				X					
Torque Tube Rear Bushing Installer	J 4259	41				X					
Universal Joint Assembly Tool	J 881-A	35					X				
Universal Joint Bearing Cap Remover	J 4174	41			X						
U-Joint Companion Flange Puller	J 962	35							X		X
U-Joint Flange Nut Socket Wrench and Handle	J 2571-A	39								X	
U-Joint Flange Puller	J 2046	37									X
U-Joint Flange Puller	J 2576	39								X	
Wheel Bearing Inner Race Remover	J 2232	38				X					
Wheel Bearing Nut Wrench	J 2222	38				X					
Wheel Bearing Nut Wrench, 2⅜" Hex.	J 2975	40									X
Wheel Bearing Outer Race Remover	J 2230	38				X					
Wheel Hub Outer Bearing Race Replacer	J 2223	38				X					
Wheel Hub Seal Replacer	J 2221-A	37				X					
Wheel Puller	J 4153	41								X	

FRONT SUSPENSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Car Lifting Sling Chain and Hooks	J 1987	44									X
Caster-Camber Adjusting Wrench	J 720	42				X			X		
Caster-Camber Adjusting Wrench	J 2998	45								X	
Caster-Camber Adjusting Wrench	KMO 487	47								X	
Caster-Camber Gauge	J 1377	43							X		
Caster-Camber Gauge	J 1631	44							X		
Cross Shaft Bushing Replacement Set	J 2551	44								X	
Drive-Master Power Unit and Cross Shift Rod Gauge	J 1861	44					X				
Front End Lifting Hooks Only (2)	J 1622-A	44									X
Front End Lifting Sling and Spreader Only	J 1622-B	44	X								X
Front Suspension Hold-Down Hooks (2)	J 2981	45							X		
Front Wheel Bearing Cup Inserter Set	K 463-B	46				X					
Front Wheel Bearing Cup Remover	K 224	46	X			X					X
Front Wheel Bearing Oil Seal Packing Expander	J 3082	45	X								
Front End Lifting Hooks Only (2)	J 1581	43	X								
Front Spring Bushing Press	J 1451	43				X					
Front Wheel Outer Bearing Cup Replacer	J 960	42							X		
Front Spring Height Gauges (2)	J 709-B	42							X		
Front Wheel Inner Bearing Cup Replacer	J 514	42							X		
Hub and Dust Cap Remover and Replacer	J 728-A	42					X	X	X	X	
Idler Arm Bushing Reamer (.744")	J 2629	45							X		
Idler Arm Bushing Remover	J 2628	45							X		
King Pin Bushing Driver	K 318	46				X					
Lower Control Arm Assembly Gauges (2)	J 3184	46				X					
Lower Control Arm Spreader	J 1052	43					X		X	X	X
Lower Control Arm Tool Set	J 2126	44	X								
Lower Control Arm Trunnion Centering Gauge	J 2625	45							X		
Lower Steering Knuckle Bushing Installing Set	J 1277	43									X
Mast Jacket Bearing Remover and Replacer	J 2565	45				X					
Mast Jacket Bushing Replacer	N 353	47				X					
Mast Jacket Tube Bearing Puller	J 2792	45					X				
Mast Jacket Tube Bearing Replacer	J 2952-A	45					X				
Oversize King Pin Bushing Reamer (.010" oversize)	KMO 225-1	46				X					
Oversize King Pin Bushing Reamer (.020" oversize)	KMO 312-1	46				X					

FRONT SUSPENSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Oversize King Pin Reamer (.010" oversize)	KMO 226-1	46				X					
Oversize Steering Knuckle Bushing Reamer (.010" oversize)	KMO 225-2	46				X					
Oversize Steering Knuckle Bushing Reamer (.010" oversize)	KMO 226-2	46				X					
Oversize Steering Knuckle Bushing Reamer (.020" oversize)	KMO 312-2	46				X					
Pitman Arm Nut Wrench	KMO 738	47					X				
Pitman Arm Puller	J 871-0	42							X		X
Pitman Arm Puller	J 1025	42	X			X				X	
Pitman Arm Puller	J 1374	43					X				
Pitman Arm Puller	J 1376	43						X			
Pitman Arm Puller	J 1376-H	43				X					
Pitman Arm Puller	J 1596	44	X								
Pitman Arm Puller	J 2162	44		X							
Pitman Arm Puller	J 2572	45								X	
Pitman Shaft Bushing Driver	J 762	42				X					
Pitman Shaft Bushing Driver	J 1614	44				X					
Pitman Shaft Bushing Reamer (1.125")	J 3056	45				X					
Pitman Shaft Bushing Driver	J 1615	44				X					
Pivot Pin Bushing Remover and Replacer	J 990	42					X				
Pivot Pin Remover Set	J 479-A	42					X				
Rear Spring Bushing Remover and Replacer	J 3225	46									X
Spindle Bushing Reamer (.858")	HM 592	42	X						X		
Spindle Bushing Tool Set	J 1061	43	X						X		
Steering Arm Ball Bolt Puller	J 2200	44									X
Steering Arm Ball Stud Remover	J 1273	43				X					
Steering Arm Ball Stud Remover	J 1626	44						X			
Steering Arm Ball Stud Remover	J 3295	46				X					
Steering Arm Ball Stud Screw Press	J 624-H	42					X				
Steering Arm Centering and Toe-In Gauge	J 1442	43					X				
Steering Arm Centering and Toe-In Gauge	J 2953	45					X				
Steering Arm Remover	J 1373-A	43					X				
Steering Ball Stud Remover	HM 844-C	42	X				X	X		X	
Steering Bell Crank Bearing Remover and Replacer	J 2033	44									X
Steering Bell Crank Bearing Remover and Replacer	J 4147	46									X
Steering Centering Gauge	J 1447	43							X		

FRONT SUSPENSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Steering Connecting Rod Centering Gauge	J 2556	44								X	
Steering Gear Adjusting Wrench	J 1032	42	X								X
Steering Gear Adjustment Wrench	J 4388	46							X		
Steering Gear Mainshaft Bearing Cup Remover	J 3183	45				X					
Steering Gear Mainshaft Bearing Cup Replacer	J 3182	45				X					
Steering Gear Sector Shaft Oil Seal Protector	J 2199	44							X		X
Steering Gear Worm Bearing Adjusting Lock Wrench	J 1592	44	X								
Steering Gear Worm Bearing Adjusting Wrench	J 1593	44	X								
Steering Idler and Third Arm Bushing Reamer	J 3189	46				X					
Steering Knuckle Bushing and Bearing Remover and Replacer (Part of J 4477)	J 1294-B	43									X
Steering Knuckle Bushing and Bearing Remover and Replacer (Part of J 4477)	J 4145	46									X
Steering Knuckle Bushing and Bearing Service Tool Set	J 4477	46									X
Steering Knuckle Bushing Driver	N 330	47				X					
Steering Knuckle Bushing Reamer (.923")	J 3057	45				X					
Steering Knuckle Bushing Reamer (.736")	J 3058	45				X					
Steering Knuckle Bushing Reamer	KMO 250	46				X					
Steering Knuckle Bushing Reamer	KMO 614	47								X	
Steering Knuckle Bushing Reamer	KMO 654	47				X					
Steering Knuckle Bushing Remover and Replacer	J 1332	43				X					
Steering Knuckle Bushing Remover and Replacer	J 2248	44				X					
Steering Knuckle Bushing Service Set	J 1381	43						X			
Steering Knuckle Bushing Service Set	J 1382	43						X			
Steering Knuckle Cap Recess Reamer	J 1384	43						X			
Steering Knuckle Cap Recess Reamer	J 1385	43						X			
Steering Knuckle Needle Bearing Installing Tool	J 1278	43									X
Steering Knuckle Pin Bushing and Bearing Replacement Set	J 2564	45								X	
Steering Knuckle Pin Remover	J 2031	44									X
Steering Knuckle Support Arm Spreader	J 2043	44									X
Steering Knuckle Support Arm Spreader	J 2044	44									X
Steering Knuckle Welsh Plug Hole Reamer	J 1324	43									X

FRONT SUSPENSION

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Steering Mast Jacket Bearing Remover and Replacer	KMO 679	47				X			X		X	
Steering Shaft Worm Bearing Adjuster Bit	KMO 695	47	X						X			
Steering Wheel Checking Scale	J 544-A	42	X	X	X	X	X	X	X	X	X	X
Steering Wheel Puller	J 452	42							X		X	
Steering Wheel Puller	J 739-C	42					X					
Steering Wheel Puller	J 1262	43							X			
Steering Wheel Puller	J 1270-NA	43						X				
Steering Wheel Puller	J 1859	44			X							
Steering Wheel Puller	J 2557	45								X		
Steering Wheel Puller	J 2927-A	45				X						
Steering Wheel Puller	J 2982	45						X				
Steering Wheel Puller	J 3044	45									X	
Steering Wheel Puller	J 3274	46	X									
Steering Wheel Puller	J 4146	46										X
Steering Wheel Puller Adapter	J 1594-X	44										X
Steering Worm Bearing Lock Nut Adjusting Wrench	KMO 616	47			X							
Tie-Rod Ball Stud Remover	J 2963	45				X						
Tie Rod End Remover	J 2781	45					X					
Toe-In Gauge	J 710-0	42	X	X	X	X	X	X	X	X	X	X
Turning Angle Indicators (2)	J 751-A	42	X	X	X	X	X	X	X	X	X	X
Turning Angle Indicator	J 924	42										X
Upper Control Arm Shaft Remover and Replacer	J 2958	45				X						
Upper Control Arm Spreader	J 3957	46			X		X					X
Upper Control Arm Spreader	J 4251	46									X	
Upper Support Arm and Pivot Gauge	J 1360	43					X					
Upper Support Arm Eccentric Bushing Wrench	KMO 366	47			X							
Wheel Aligning Gauge	J 800-U	42	X	X	X	X	X	X	X	X	X	X

SPRINGS—SHOCK ABSORBERS

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Front Spring Compressors (2)	KMO 735	48						X			
Front Spring Eye Bushing Remover and Replacer	J 553-S	48									X
Front Spring Hanger Bushing Remover and Replacer	J 1451	48				X					
Rear Spring Bushing Remover and Replacer	J 4161	48								X	
Rear Spring Front Bushing Remover and Replacer	J 136-A	48				X				X	
Rear Spring Shackle Bushing Remover and Replacer	J 553	48				X				X	

SPRINGS—SHOCK ABSORBERS

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Rear Spring Shackle Pin Remover Adapter	J 1436-9	48				X					
Shock Absorber End Cap Wrench	J 766	48	X	X	X				X	X	
Shock Absorber Filler Adapter	J 1611-A	48	X						X		
Shock Absorber Fluid Injector	KMO 1026-A	48	X	X	X	X	X	X	X	X	X
Shock Absorber Guide Rod Spanner Wrench	J 993-2	48					X			X	
Shock Absorber Holding Fixture	J 895	48	X		X				X	X	
Shock Absorber Valve Installer	J 896-A	48	X		X				X	X	
Slide Hammer Assembly	J 2654-A	48			X						
Spring Cover Lubricator	J 595	48			X	X	X			X	X
Spring Unloader Adapters	J 2537-A	48									X

BRAKES

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Brake Adjusting Wrench	J 1028	49					X			X	X
Brake Anchor Pin Nut Wrench	J 854	49	X								
Brake Anchor Spring Remover	J 1681	49						X			
Brake and Clutch Pedal Rod Remover	J 2795	49					X				
Brake Bleeder Tube	J 628-A	49	X				X	X	X		
Brake Bleeder Tube	J 747	49		X	X					X	X
Brake Bleeder Wrench	J 627	49	X				X	X	X	X	
Brake Bleeder Wrench	J 1492	49									X
Brake Cylinder Clamps (4)	KMO 145	49	X	X	X	X	X	X	X	X	X
Brake Eccentric Anchor Pin Adjuster	J 961	49							X	X	
Brake Feeler Gauge Set (.004" - .008" - .010" - .015")	J 1417-A	49						X			
Brake Master Cylinder Filler	J 713	49	X	X	X	X	X	X	X	X	X
Brake Master Cylinder Nut Wrench (1-17/32")	J 1056	49	X		X					X	
Brake Master Cylinder Nut Wrench (1¾")	J 1058	49	X		X						
Brake Master Cylinder Nut Wrench (1⅜")	J 1205	49	X		X				X	X	
Brake Pedal Depressor	J 134-A	49	X	X	X	X	X	X	X	X	X
Brake Shoe Adjuster	J 1603-A	49	X	X				X	X		
Brake Shoe Adjusting Fixture	J 1696-SA-1	49									X
Brake Shoe Feeler Gauge (.008" - .015")	KMO 479	50					X				
Brake Spring Pliers	KMO 142	49	X		X	X	X	X		X	
Brake Spring Pliers	KMO 621	50									X
Brake Spring Remover and Replacer Wrench	KMO 526	50	X	X	X	X	X	X	X	X	X
Hi-Torque Brake Wrench (15/16" Hex)	J 2492	49									X
Hi-Torque Brake Wrench (5/16" Allen)	J 2493	49									X
Hi-Torque Brake Wrench (1-1/16" Hex)	J 2964	49									X
Hi-Torque Brake Wrench (⅜" Allen)	J 2965	49									X
Hydraulic and Vacuum Test Kit	KMO 497	50									X

BODY

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Body Cement Gun	J 3296	51	X	X	X	X	X	X	X	X	X
Clutch Head Screw Driver Set (4)	KMO 449-A	52	X	X	X	X	X	X	X	X	X
Door Handle *Ferrule* Installer	B 223-A	50	X	X	X		X	X		X	
Door Handle Pin Punch	KMO 346	51					X				
Door Handle Pliers	KMO 601	52	X	X	X			X		X	
Door Handle Retaining Screw Wrench	J 3190	51	X	X				X			
Fender Weld Milling Tool	J 3041	51						X			
Grille Fin Clip Remover and Replacer	J 1538	50			X						
Headlining *Installer*	J 2772	51	X	X	X	X		X		X	
Hog Ring Pliers	J 3286	51	X	X	X	X	X	X	X	X	X
Hood Hinge Spring Pry Bar	J 3075	51								X	
Hood Spring Remover and Replacer	J 1638-A	50			X						
Hood Spring Remover and Replacer	J 2896	51						X			
Hood Spring Remover and Replacer	J 3181	51				X					
Hydraulic Pressure Gauge	KMO 687	52	X		X				X	X	
Hydraulic Window Lift Spring Clip *Remover*	KMO 623	52			X					X	
Light Switch Nut Wrench	J 1589	50	X								
Map Light Nut Wrench	J 1588	50	X							X	
Outside Door Handle Remover and Replacer	J 2769	51			X					X	
Phillips Screw Driver	B 208-A	50	X	X	X	X	X	X	X	X	X
Radio Antenna Bracket Spanner Wrench	J 1339	50	X								
Radio Antenna Control Retainer Nut Wrench	J 1340	50	X								
Radio Antenna Control Retainer Nut Wrench	J 3053	51	X								
Radio Set Mounting Nut Wrench	J 1871	50					X				
Rear Door Lock Free Wheeling Tool	J 2770	51	X	X					X		
Remote Control Switch Remover (Pair)	KMO 685	52								X	
Sheet Metal Cutter (with extra blade)	KMO 671	52	X	X	X	X	X	X	X	X	X
Spotlight Hole Saw	J 2926	51		X							
Trim Pad Depressor	J 2631-A	51	X	X	X			X	X	X	
Weatherstrip Insert Seal Replacer	J 2767	51	X	X					X		
Weatherstrip Tool Set	J 2189	50				X					

BODY

DESCRIPTION	TOOL No.	PAGE	BUICK	CADILLAC	CHEVROLET	HUDSON	NASH	OLDSMOBILE	PACKARD	PONTIAC	STUDEBAKER
Windshield Wiper Arm *Shaft* Nut Wrench	J 2569	51								X	
Windshield Wiper Control Lock Nut Wrench	J 2991	51							X		
Windshield Wiper Switch Nut Wrench	J 2568	51								X	
Windshield Wiper Pivot Shaft Nut Wrench	J 3209	51							X		
Windshield Wiper Shaft Lubricator	J 1643	50							X		
Windshield Wiper Switch Nut Wrench	J 2602	51			X					X	
Windshield Wiper Transmission Burr Remover and Replacer	J 2682	51	X	X			X		X		

GENERAL SHOP TOOLS AND EQUIPMENT

DESCRIPTION	PART NO.	PAGE
Arbor Press—3 Ton Bench Type	KMO 619	53
Arbor Press—10 Ton Bench Type	KMO 644	53
Bench—6 ft. Steel with Drawer	KMO 709	54
Bench—6 ft. Steel less Drawer	KMO 710	54
Car Stands (pr.)—6 Ton	J 3888	52
Car Stands (pr.)—1½ Ton	J 3889	52
Dial Indicator	KMO 30-B	53
Dial Indicator Clamp	KMO 30-G	53
Dial Indicator Hole *Attachment*	KMO 30-F	53
Dial Indicator Set	KMO 30	53
Dial Indicator Sleeve	KMO 30-K	53
Drift—Brass 10" x ¾"	N 383	54
Drill—¼" Electric	KMO 715	54
Drill—½" Electric	KMO 716	54
Drill—⅜" Electric	KMO 717	54
Grinder—6" Bench Type	KMO 718	54
Hammer—Copper	KMO 720	54
Micrometer—*0" to 1"*	KMO 436-1	53
Micrometer—1" to 2"	KMO 436-2	53
Micrometer—2" to 3"	KMO 436-3	53
Micrometer—3" to 4"	KMO 436-4	53
Micrometer Crankshaft 1½" - 2½"	J 3838	52
Micrometer Journal 1½" - 2½"	J 3839	52
Screw and Bolt Holder	KMO 65-8	53
Soldering Iron—Electric	KMO 499	53
Torque Wrench—Flat Bar Type	J 4434	53
Torque Wrench—Flat Bar Type	J 4435	53
Torque Wrench—Flat Bar Type	J 4436	53
Torque Wrench—Flat Bar Type	J 4437	53
Torque Wrench—Round Bar Type	J 1264	52
Torque Wrench—Round Bar Type	J 1313-A	52

GENERAL SHOP TOOLS AND EQUIPMENT—Continued

DESCRIPTION	PART NO.	PAGE
Torque Wrench—Round Bar Type	J 1315	52
Torque Wrench—Round Bar Type	KMO 629	53
Torque Wrench—Round Bar Type	KMO 652	53
Torque Wrench—Sensory Type	J 4424	53
Torque Wrench—Sensory Type	J 4425	53
Torque Wrench—Sensory Type	J 4426	53
Torque Wrench—Sensory Type	J 4427	53
Torque Wrench Adapter	KMO 653	53
Torque Wrench Adapter	KMO 692	53
Tube Cutter—Copper	KMO 3-A	53
Tube Deburring Tool	J 2185-24	52
Tube Flaring Tool—Double Lap 45°	J 2185	52
Tube Flaring Tool—Single Lap 45°	J 978	52
Vise—3"	KMO 701	54
Vise—4"	KMO 702	54
Vise—4½"	KMO 703	54
Vise—5"	KMO 704	54
Vise—4" Heavy Duty	KMO 705	54
Vise—4½" Heavy Duty	KMO 706	54

NOTES

NOTES

PRICE LIST AND INDEX

FOR

KENT-MOORE SERVICE TOOL GUIDE

Effective June 1, 1950—All prices are F.O.B. Kent-Moore Warehouse, Detroit, Michigan and are subject to change without notice.

PART NO.	DESCRIPTION	PAGE	PRICE
B 208-A	Screw Driver—Phillips	50	$1.95
B 223-A	Installer—Ferrule	50	13.15
HM 3-R	Iron—Rod Bending	5	4.10
HM 408-P	Gauge—Timing Sprocket	5	1.30
HM 536	Lifter—Valve Spring	5	2.25
HM 586	Reamer—Piston Bushing	5	12.55
HM 592	Reamer—Spindle Bushing	42	10.40
HM 593-A	Feeler and Scale—Piston	5	5.90
HM 593-N	Feeler and Scale—Piston	5	5.70
HM 844-C	Remover—Ball Stud	42	1.30
HM 861-Y	Replacer—Cam Gear	5	29.15
HM 865	Puller—Cam Gear	5	10.15
HM 925	Puller Set—Utility	5	23.55
HM 931	Puller—Axle Shaft	34	13.95
J 89	Gauge—Vacuum Checking	5	4.10
J 129-2	Reamer—Valve Guide	5	2.20
J 129-3	Reamer—Valve Guide	5	2.40
J 134-A	Depressor—Brake Pedal	49	3.50
J 136-A	Press—Rear Spring Bushing	48	22.30
J 164	Puller—Pilot Bearing	18	5.80
J 183	Reamer—Flywheel Stud	5	2.90
J 232-A	Bolt—Engine Lifting (Pr.)	5	5.50
J 257-X	Remover—Valve Lifter	5	30.20
J 267	Driver—Valve Guide	5	1.70
J 269	Driver—Valve Guide	5	1.45
J 270-H	Replacer—Pinion Brg. Cup	34	5.70
J 270-SA	Replacer Set—Bearing Cup	34	33.90
J 270-7	Driver Head—Axle Bearing	34	4.80
J 285	Gauge—Clutch Finger	18	7.45
J 285-C	Gauge—Clutch Finger	18	8.65
J 336-A	Feeler and Scale—Piston	5	6.75
J 352	Puller—Axle Shaft	34	13.85
J 358-H	Press Plate Set—Axle Bearing	34	16.25
J 358-1	Holder—Press Plate	20, 34	5.90
J 446	Puller—Wheel Hub	34	11.50
J 446-A	Puller—Wheel Hub	34	12.65
J 448-5	Replacer—Inter Gear Ret.	20	9.15
J 449	Arbor—Clutch Aligning	18	1.75
J 452	Puller—Steering Wheel	42	18.35
J 466	Reamer—Countershaft Line	20	4.35
J 471	Puller—Crankshaft Gear	5	12.00
J 472	Wrench—Clutch Filler Plug	18	3.05
J 478-A	Feeler—Valve Tappet	5	.65
J 479-A	Remover Set—Pivot Pin	42	3.75
J 483-A	Replacer—Crankshaft Gear	6	10.75
J 489	Puller—Pilot Bearing	18	3.20
J 505-G	Carburetor Tool Set	6	13.30
J 505-NC	Carburetor Tool Set	6	24.55
J 514	Replacer—Wheel Bearing Cup	42	5.90
J 516	Burnisher—Con. Rod Bushing	6	6.25
J 526	Block—Rod Bushing Broach	6	2.55
J 531	Assembly Tool—Countershaft	20	3.45
J 540-1	Remover—Con. Rod Bushing	6	3.90
J 540-2	Replacer—Con. Rod Bushing	6	3.45
J 544-A	Scale—Tension	34, 42	$4.40
J 553	Puller—Spring Bushing	48	8.05
J 553-S	Puller—Spring Bushing	48	10.45
J 554-B	Anvil and Tools—Hub Bolt	34	35.40
J 554-3	Peening Tool—7/16"	34	3.60
J 554-4	Peening Tool—9/16"	34	3.60
J-554-11	Peening Tool—5/8"	34	3.75
J 587-A	Inserter—Valve Spring	6	.50
J 589-D	Gauge Set—Pinion	34	60.80
J 595	Lubricator—Spring	48	2.00
J 596-A	Puller—Wheel Hub	34	14.65
J 624-H	Press—Steering Ball Stud	42	11.20
J 627	Wrench—Brake Bleeder	49	1.35
J 628-A	Bleeder—Brake Tube	49	.55
J 676-C	Puller—Vibration Damper	6	8.80
J 679-A	Puller—Fan Hub	6	5.90
J 682-A	Puller—U-Joint	20	9.60
J 706-P	Reamer—Valve Lifter	6	16.50
J 708-A	Flusher—Radiator	6	13.15
J 709-B	Gauge—Spring Height (2)	42	1.50
J 710-Q	Gauge—Toe-In	42	29.50
J 713	Filler—Brake Cylinder	49	5.85
J 719	Remover—Valve Guide	6	1.45
J 720	Wrench—Caster Adjusting	42	.10
J 726	Remover—Coil Top	6	1.25
J 728-A	Cap Tool—Hub and Dust	42	1.75
J 736-A	Puller—Wheel Hub	34	9.90
J 739-C	Puller—Steering Wheel	42	18.70
J 742	Driver—Piston Pin	6	2.00
J 744	Puller—Distributor Rotor	6	3.55
J 747	Bleeder—Brake Tube	49	.50
J 751-A	Indicators—Turning Angle	42	48.85
J 762	Driver—Pitman Bushing	42	3.10
J 766	Wrench—Shock End Cap	48	3.75
J 774	Gauge—Clutch Finger	18	5.20
J 800-U	Aligner—Front Wheel	42	24.70
J 808-A	Align Set—Flywheel Housing	20	13.10
J 808-B	Align Set—Flywheel Housing	20	30.85
J 819-G	Carburetor Tool Set	6	15.80
J 820	Puller—Companion Flange	20	3.95
J 826-A	Driver—Valve Guide	6	4.55
J 827	Installer—Lifter Bracket	6	2.05
J 831	Pilot—Impeller Shaft	6	2.40
J 838	Puller—Shaft and Bearing	34	9.70
J 851	Pins—Transmission Guide (2)	20	1.25
J 854	Wrench—Brake Nut	49	3.00
J 855	Replacer—U-Joint	20	6.35
J 857	Pins—Clutch Guide (3)	18	1.15
J 859-A	Puller—U-Joint	20	10.05
J 865	Replacer—U-Joint	20	6.25
J 870	Wrench—Axle Bearing Nut	34	10.25
J 871-O	Puller—Pitman Arm	42	12.00
J 872-1	Driver—Bearing Race	35	3.70
J 872-3A	Setting Tool—Bearing Race	35	6.10

PART NO.	DESCRIPTION	PAGE	PRICE
J 872-4	**Driver**—Bearing Race	35	$4.05
J 872-5	**Driver Handle**	35	3.05
J 874-9	**Reamer**—Piston Pin Bushing	7	10.60
J 874-16	**Reamer**—Piston Pin Bushing	7	9.60
J 874-17	**Reamer**—Piston Pin Bushing	7	10.40
J 874-18	**Reamer**—Piston Pin Bushing	7	10.60
J 874-19	**Reamer**—Piston Pin Bushing	7	10.85
J 877-A	**Puller**—Pilot Bearing	18	8.75
J 881-A	**Clamp**—U-Joint	20, 35	8.30
J 883-B	**Replacer Set**—Valve Guide	7	17.65
J 888	**Feeler and Scale**—Piston	7	6.20
J 895	**Holder**—Shock Absorber	48	7.45
J 896-A	**Installer**—Shock Valve	48	2.55
J 918-A	**Puller**—Bearing and Seal	35	14.55
J 924	**Indicator**—Turning Angle	42	3.15
J 932	**Pliers**—Snap Ring	20	2.70
J 933	**Wrench**—Clutch Bearing	20	2.35
J 934	**Stand**—Trans. Assembly	20	6.05
J 936	**Press Plate**—Clutch Bearing	20	2.90
J 937	**Puller**—Clutch Bearing	20	11.90
J 938-A	**Puller**—Trans. Mainshaft	20	16.05
J 939	**Replacer**—Pinion Bearing	35	6.25
J 940	**Replacer**—Pinion Bearing	35	10.65
J 941	**Replacer**—Diff. Bearing	35	4.75
J 941-4	**Adapter**—Heat Riser	7	1.15
J 942	**Puller**—Shaft and Bearing	35	12.75
J 942-1	**Adapter**—Bearing Puller	35	5.65
J 943	**Remover**—Axle Oil Seal	35	3.40
J 943-B	**Remover**—Axle Oil Seal	35	3.40
J 944	**Replacer**—Axle Oil Seal	35	5.45
J 947-O	**Rem. and Rep.**—Axle Bearing	35	18.85
J 947-P	**Rem. and Rep.**—Axle Bearing	35	18.85
J 955	**Compressor**—Oil Seal	7	8.30
J 959-A	**Press Plate**—Distributor Gear	7	6.15
J 960	**Replacer**—Wheel Bearing Cup	42	3.40
J 961	**Adjuster**—Brake Anchor Pin	49	1.60
J 962	**Puller**—U-Joint Flange	35	8.55
J 965-A	**Reamer Fixture**—Piston	7	19.80
J 965-3	**Reamer**—Piston Pin Bushing	7	10.35
J 966	**Gauge**—Timing Gear	7	5.40
J 967	**Puller**—Harmonic Balancer	7	7.30
J 968	**Driver**—Prop. Shaft Bushing	35	4.25
J 971	**Remover**—Camshaft Gear	7	3.90
J 972	**Wrench**—Differential Adjust.	35	2.30
J 978	**Flaring Tool**—Tube	52	3.60
J 986-5	**Puller**—Differential Bearing	35	14.40
J 987	**Wrench**—Chain Grip	35	2.90
J 990	**Driver Set**—Pivot Pin Bushing	42	11.45
J 993-2	**Wrench**—Shock Cover	48	1.35
J 994	**Driver**—Diff. Bearing	20, 35	3.45
J 995	**Driver**—Oil Seal	7	4.15
J 996	**Press Plate**—Pinion Bearing	35	2.25
J 1001	**Loader**—Needle Bearing	20	1.40
J 1010	**Remover**—Idler Gear Shaft	20	1.65
J 1013	**Fixture**—Clutch Finger	18	1.70
J 1025	**Puller**—Pitman Arm	42	5.65
J 1028	**Adjuster**—Brake Eccentric	49	.35
J 1031	**Arbor**—Clutch Aligning	18	8.55
J 1032	**Wrench**—Steer Gear Adjust	42	1.65
J 1036	**Gauge**—Clutch Finger	18	7.45
J 1039	**Assembly Set**—Clutch Cover	18	4.90
J 1041	**Remover**—Trans U Retainer	21	2.55
J 1042	**Replacer**—Valve Guide	7	6.35
J 1044	**Remover**—Gear Shift Lever	21	1.60
J 1045	**Compressor**—Bearing Oil Seal	7	8.85
J 1047	**Wrench**—Starter Motor	7	1.95
J 1048	**Gauge**—Clutch Finger	18	$7.45
J 1049	**Replacer**—Bearing & Oil Seal	35	7.65
J 1050	**Replacer**—Trans Oil Seal	21	4.30
J 1052	**Spreader**—Support Arm	43	8.85
J 1055	**Gauge**—Valve Stem Length	7	2.85
J 1056	**Wrench**—Brake Cylinder	49	2.45
J 1058	**Wrench**—Brake Cylinder	49	2.45
J 1061	**Service Set**—Spindle Bush.	43	43.35
J 1067	**Gauge**—Valve Guide	7	7.00
J 1089	**Driver**—Valve Guide	8	5.55
J 1090	**Driver**—Valve Guide	8	5.55
J 1105	**Gauge**—Axle Housing	36	47.50
J 1126	**Pins**—Transmission Guide	21	1.45
J 1130	**Remover**—Spline Snap Ring	21	7.25
J 1130-O	**Remover**—Spline Snap Ring	21	9.30
J 1134-H	**Puller**—Trans Bearing & Gear	21	14.30
J 1137	**Bend Iron**—Carb Unloader	8	.80
J 1144-A	**Holder**—Carb & Fuel Pump	8	14.20
J 1168	**Installer**—Spring & Ball	21	3.25
J 1169	**Installer**—Cork Seal	21	5.20
J 1184	**Remover & Installer**—Cluster Gear	21	1.30
J 1192-B	**Spacer**—Pinion Bearing	36	1.75
J 1204-A	**Adjuster**—Shaft Lever	21	6.30
J 1205	**Wrench**—Brake Cylinder	49	2.45
J 1218	**Vise**—Piston	8	14.10
J 1226	**Puller**—Fan Pulley	8	6.15
J 1248	**Gauge**—Timing	8	2.55
J 1262	**Puller**—Steering Wheel	43	8.05
J 1264	**Wrench**—Tension (0-200)	52	11.45
J 1267	**Replacer**—Snap Ring	21	2.05
J 1270-NA	**Puller**—Steering Wheel	43	14.65
J 1273	**Remover**—Steering Ball	43	.95
J 1277	**Installer**—Knuckle Bushing	43	9.75
J 1278	**Installer**—Needle Bearing	43	7.80
J 1287	**Puller**—Harmonic Balancer	8	7.30
J 1292-B	**Press**—Prop Shaft & Pinion	36	98.00
J 1293-C	**Assembly Tool**—Piston Pin	8	4.40
J 1294-B	**Driver**—Knuckle Bushing	43	11.70
J 1298-B	**Puller Assy.**—Trans. Bearing	21	14.50
J 1298-NA	**Remover**—Trans. Bearing	21	14.95
J 1301	**Press Plate**—Pinion Bearing	36	4.15
J 1308-B	**Gauge**—Shift Rod	21	3.50
J 1312-A	**Replacer**—Diff. Bearing	36	8.05
J 1313-A	**Wrench**—Tension (0-150)	52	11.45
J 1315	**Wrench**—Tension (0-25)	52	9.75
J 1316	**Wrench**—Diff. Bearing Nut	36	6.70
J 1318	**Press Plate**—Diff. Case Brg.	36	12.90
J 1321	**Replacer**—Pinion Race	36	6.40
J 1322	**Driver**—Pinion Race	36	5.85
J 1324	**Reamer**—Welch Plug Hole	43	2.90
J 1328	**Press Plate**—Pinion Race	36	3.90
J 1332	**Driver**—Steer Knuckle Bush	43	4.55
J 1334	**Loader**—Needle Bearing	21	1.95
J 1336	**Pins**—Cyl. Head Assembly (2)	8	1.70
J 1339	**Wrench**—Radio Antenna	50	.75
J 1340	**Wrench**—Radio Antenna	50	2.80
J 1354	**Installer**—Oil Seal	21, 25	6.70
J 1355-A	**Driver**—Axle Oil Seal	36	14.25
J 1357	**Driver**—Pinion Oil Seal	36	13.50
J 1360	**Gauge**—Support Arm Pivot	43	2.80
J 1363	**Driver**—Prop Shaft Bushing	36	7.35
J 1364	**Driver**—Pinion Brg. Ring	36	5.90
J 1365	**Wrench**—Diff. Nut Spanner	36	3.45
J 1373-A	**Remover**—Steering Arm	43	2.35
J 1374	**Puller**—Pitman Arm	43	8.15
J 1375-A	**Replacer**—Companion Flange	21	13.25
J 1376	**Puller**—Pitman Arm	43	5.20

PART NO.	DESCRIPTION	PAGE	PRICE
J 1376-H	Puller—Pitman Arm	43	$5.90
J 1377	Gauge—Caster & Camber	43	17.55
J 1378	Compressor—Valve Spring	8	5.50
J 1380-1	Flange—Hub Puller	36	11.95
J 1380-8	Spacer—Hub Puller	36	.90
J 1381	Service Set—Steer Bushing	43	33.00
J 1382	Service Set—Steer Bushing	43	33.00
J 1384	Reamer—Knuckle Recess	43	2.35
J 1385	Reamer—Knuckle Recess	43	2.35
J 1390	Aligner—Shift Gear	21	.35
J 1404	Cap—Cooling Test	8	2.85
J 1409	Levers—Trans. Snap Ring (2)	21	1.60
J 1410	Gauge—Trans. Shift Center	21	.60
J 1411	Socket—Pinion Shaft Nut	36	1.80
J 1412	Puller—Companion Flange	21	8.05
J 1413-A	Stand—Transmission Holding	21	7.15
J 1415-A	Assembly Tool—Countershaft	21	4.05
J 1417-A	Feelers—Brake	49	1.05
J 1418-A	Remover—Clutch Bushing	18	9.35
J 1419	Rem. & Rep.—W. Pump Bushing	8	2.00
J 1421	Installer—Snap Ring	18	2.30
J 1425	Aligner—Clutch	18	3.70
J 1427	Rem. & Repl.—Con. Rod Bushing	8	2.30
J 1428	Light—Distributor Setting	8	2.70
J 1429-B	Replacer—Valve Guide	8	10.40
J 1433-1	Replacer—Wheel Brg. Race	36	4.70
J 1434	Pins—Transmission Guide (2)	22	1.50
J 1435	Aligner—Clutch	18	2.40
J 1436	Puller—Bearing & Oil Seal	36	12.90
J 1436-8	Adapter—Axle Shaft Remover	36	1.50
J 1436-9	Adapter—Shackle Pin Rem.	48	2.85
J 1439	Press Plate—Pinion Bearing	36	4.05
J 1440	Press Plate—Pinion Bearing	36	3.80
J 1441	Aligner—Pedal Shaft	18	1.85
J 1442	Gauge—Steer. Arm Centering	43	14.25
J 1446	Installer—Water Pump Shaft Slinger	8	1.45
J 1447	Gauge—Steering Centering	43	3.25
J 1448	Puller—Pilot Bearing	18	4.40
J 1449	Loader—Needle Bearing	22	2.40
J 1450-B	Service Set—Trans. Bushing	22, 25	51.50
J 1451	Bushing Press—Front Spring	43, 48	6.25
J 1452-5	Bushing—Vac Cyl Adjusting	22	.70
J 1453	Press Plate—Pinion Bearing	22, 37	3.50
J 1454	Remover—Oil Check Valve	8	4.00
J 1455-A	Reamer—W/Pump Seal Seat	8	9.35
J 1456	Installer—W/Pump Seal	8	12.50
J 1458	Remover—Mainshaft Snap Rg	25	2.00
J 1459	Holder—Servo Drum	25	1.50
J 1463	Holder—Trans Auxiliary	25	2.70
J 1464	Gauge—Drive Gear	25	.80
J 1465	Rod—Indicator Extension	25	1.60
J 1468	Gauge—Carb. to Bellcrank	25	.70
J 1470	Gauge—Bellcrank	25	1.80
J 1475	Gauge—Carb. Pump Stroke	8	3.90
J 1488	Driver—Differential Bearing	22, 37	7.35
J 1492	Wrench—Brake Bleeder	49	1.25
J 1498-A	Socket Set—Connecting Rod	8	13.60
J 1499	Install. Set—Trans. Snap Ring	22	8.55
J 1501	Cutter—Water Pump Facing	8	4.50
J 1507-A	Gauge—Clutch Finger Adj.	18	8.40
J 1515	Remover—Axle Lock Washer	37	2.00
J 1522-A	Driver—Pilot Bearing	18	3.75
J 1525	Protector—Trans. Syn. Ring	22	8.25
J 1526	Protector—Trans. Syn. Ring	22	8.20
J 1535	Press Plate—Pinion Bearing	37	3.80
J 1537	Compressor—Oil Sleeve Ring	25	3.75
J 1538	Clip Set—Grille Fin	50	3.45
J 1542	Gauges—Trans. Shift Collar	22	$ .80
J 1543-A	Cylinder Block Air Gun	9	4.65
J 1556	Installer—Axle Oil Seal	22, 37	12.95
J 1568	Driver—Overdrive Gear Bush.	22	3.25
J 1569	Replacer—Main Gear Oil Seal	22	4.85
J 1570	Replacer—Drive Gear Bearing	22	4.85
J 1571-A	Index Tool—Shifter Fork	22	1.80
J 1577-G	Carburetor Tool Set	9	34.95
J 1580	Jacks—Engine (2)	9	3.15
J 1581	Hooks—Car Lift (2)	43	32.80
J 1588	Wrench—Map Light	50	2.80
J 1589	Wrench—Light Switch	50	2.80
J 1592	Wrench—Steer. Worm Bearing	44	3.10
J 1593	Wrench—Steer. Worm Bearing	44	3.40
J 1594-X	Adapter—Steer. Wheel Puller	44	7.65
J 1595	Assembly Tool—Countershaft	22	3.00
J 1596	Puller—Pitman Arm	44	6.15
J 1600-A	Aligner—Speedfinder	22	.80
J 1603-A	Adjuster—Brake Shoe	49	1.10
J 1604	Burnish Set—Piston Bushing	9	16.10
J 1609	Gauge—Transmission Lever	22	.85
J 1610	Driver—Crank Brg. Oil Pack	9	8.75
J 1611-A	Adapter—Shock Filler Gun	48	.45
J 1612	Compressor—Valve Spring	9	7.90
J 1613	Remover Set—Pinion Brg. Cup	37	45.50
J 1614	Driver—Pitman Bushing	22, 44	4.15
J 1615	Driver—Pitman Bushing	44	5.80
J 1617	Assembly Tool—Countershaft	22	1.15
J 1619	Puller—Prop. Shaft Bearing	22, 37	10.75
J 1622-A	Lift Hooks—Front End	44	12.50
J 1622-B	Spreader Sling—Front Lift	44	11.25
J 1625	Aligner—Clutch	18	3.60
J 1626	Remover—Ball Stud	44	1.95
J 1631	Gauge—Caster Checking	44	10.30
J 1636-B	Hoist—Transmission Lift	25, 31	49.75
J 1636-SA-5	Eye Bolt—Trans. Lift	25, 31	2.05
J 1638-A	Spring Tool—Hood	50	17.00
J 1643	Lubricator—Windshield	50	1.20
J 1644-B	Puller—Wheel Hub	37	28.15
J 1648	Installer—Trans. Shaft Brg.	22	9.50
J 1649	Support Block—Piston Bush.	9	6.05
J 1650	Gauge—Clutch Spring Lever	19	3.70
J 1653	Gauge—Throttle Linkage	25	2.25
J 1654	Driver—Reverse Unit Brg.	25	5.50
J 1656-CA	Fixture—Cyl. Head Hold.	9	45.70
J 1662	Driver—Idler Bushing	23	4.65
J 1674	Rem. & Rep.—Piston Bushing	9	3.35
J 1675	Holder—Clutch Spring	19	4.15
J 1681	Remover—Brake Anchor Sprg.	49	4.15
J 1691	Retainer Tool—Clutch Hub	25	.70
J 1693-A	Gauge—Front Servo	25	7.90
J 1696-SA-1	Fixture—Brake Shoe Adjust.	49	18.75
J 1720-A	Refinisher—Water Pump Seat	9	34.15
J 1776-A	Installer—Cover Oil Seal	25	10.75
J 1786	Turn Tool—Flywheel	9	8.90
J 1856	Gauge—Distributor Feeler	9	1.00
J 1859	Puller—Steering Wheel	44	7.15
J 1861	Gauge—Power Shift Adjust.	44	.55
J 1870	Driver—Crank Oil Seal	9	3.40
J 1872	Gauge—Transmission Lever	23	.70
J 1871	Wrench—Radio Mount. Nut	50	2.65
J 1877	Spacer—Clutch Hub	25	4.30
J 1941	Reamer—Counterbore Valve	9	5.55
J 1942-A	Installer—Trans. Oil Seal	25	7.90
J 1944	Bolts—Engine Lifting (2)	9	5.35
J 1946	Bolts—Engine Lifting (2)	9	4.45
J 1953	Inserter—Valve Lock	9	1.95

PART NO.	DESCRIPTION	PAGE	PRICE
J 1987	**Lift. Hook Set**—Car	44	$11.40
J 2027	**Locator**—Axle Shaft Seal	37	4.45
J 2029	**Bender**—Throttle Lever	25	6.75
J 2031	**Driver**—Knuckle Pin	44	3.35
J 2032	**Locator**—Axle Shaft Seal	37	4.50
J 2033	**Driver Set**—Bellcrank	44	9.35
J 2034	**Driver**—Valve Guide	9	13.30
J 2035	**Holder**—U Joint Flange	23	9.50
J 2036	**Puller Set**—Cam Bearing	9	45.80
J 2037	**Driver**—Pinion Oil Seal	37	5.60
J 2038	**Driver**—Trans. Oil Seal	23	6.05
J 2039	**Protector**—Trans. Syn. Ring	23	6.10
J 2040	**Protector**—Trans. Syn. Ring	23	6.10
J 2043	**Spreader**—Support Arm	44	4.10
J 2044	**Spreader**—Support Arm	44	8.30
J 2045	**Gauge**—Clutch Aligning	19	13.65
J 2046	**Puller**—U Joint Flange	37	7.30
J 2092	**End Play Tool**—Axle Shaft	37	3.30
J 2100	**Replacer**—Differential Brg.	37	7.70
J 2104	**Replacer**—Differential Brg.	37	7.90
J 2122	**Cleaner**—Valve Guide	9	4.20
J 2124	**Indicator**—Clutch Runout	19	7.30
J 2126	**Tool Set**—Control Arm	44	13.15
J 2130-B	**Nozzle Set**—Oil Checking	10	23.95
J 2144	**Planet Service Set**	25	9.80
J 2153	**Remover**—Tight Valve	10	5.75
J 2155	**Socket**—Connecting Rod	10	.95
J 2157	**Driver**—Pilot Bearing	19	8.05
J 2159	**Replacer**—Axle Oil Seal	37	4.60
J 2162	**Puller**—Pitman Arm	44	8.15
J 2163	**Holder**—Cylinder Head	10	46.55
J 2169	**Puller**—Main Shaft Bearing	23	11.30
J 2170	**Installer**—Cover Oil Seal	26	7.70
J 2173	**Spacer**—Front Drum	26	1.25
J 2174	**Bracket**—Clutch Hub Ret.	26	.90
J 2175	**Swaging Set**—Planet Pinion	26	10.05
J 2177	**Pilot**—Trans. Assembly	23	1.05
J 2182	**Remover**—Ball Brg. Retainer	26	2.50
J 2183	**Rivet Set**—Governor Flange	26	5.90
J 2184-A	**Socket Set**—Pump Holder	26	2.95
J 2185	**Flare Tool Set**—¼" 45 Deg.	52	23.95
J 2185-24	**Deburring Tool**	52	3.70
J 2187	**Holder**—Planet Carrier	26	3.35
J 2189	**Seal Set**—Weatherstrip	50	13.95
J 2190	**Holder**—Planet Assembly	26	14.30
J 2191	**Spacer**—Drive Gear	26	1.05
J 2195	**Fixture**—Throttle Checking	26	1.40
J 2196-A	**Jig**—Ring Gear Riveting	37	55.80
J 2197	**Gauge**—Pinion Setting	37	58.75
J 2199	**Protector**—Sector Oil Seal	44	3.40
J 2200	**Puller**—Steering Arm Bolt	44	8.30
J 2204-A	**Pusher**—Flange & Bearing	37	5.85
J 2207	**Gauge**—Clutch Lever Setting	19	4.50
J 2221-A	**Driver**—Wheel Hub Seal	37	6.60
J 2222	**Wrench**—Axle Bearing Nut	38	8.70
J 2223	**Driver**—Wheel Bearing Race	38	6.65
J 2224	**Press Plate**—Pinion Bearing	38	3.20
J 2225	**Press Plate**—Pinion Bearing	38	3.35
J 2226	**Driver**—Differential Bearing	38	7.15
J 2227	**Driver**—Pinion Cage Race	38	7.95
J 2228	**Press Plate**—Pinion Bearing	23, 38	4.90
J 2229	**Press Plate**—Pinion Bearing	38	5.15
J 2230	**Driver**—Wheel Bearing Race	38	10.20
J 2231	**Driver**—Pinion Oil Seal	38	5.60
J 2232	**Driver**—Wheel Bearing Race	38	4.75
J 2241-A	**Puller**—Differential Bearing	38	12.95
J 2242	**Driver**—Differential Bearing	38	6.75
J 2243	**Driver**—Prop. Shaft Bushing	38	$9.35
J 2244	**Remover**—Pinion Bearing	38	8.55
J 2245	**Remover**—Pinion Bearing	38	5.45
J 2248	**Driver**—Knuckle Bushing	44	4.05
J 2250	**Service Set**—Camshaft Brg.	10	32.25
J 2492	**Wrench**—Brake 15/16" Hex	49	4.35
J 2493	**Wrench**—Brake 5/16" Allen	49	.80
J 2494	**Post**—Flywheel Runout	23	1.75
J 2496	**Spacer Wrench**—Pinion	38	5.35
J 2497-A	**Remover**—Diff. Bearing	38	11.70
J 2498-A	**Remover**—Axle Shaft Brg.	38	16.70
J 2499	**Gauge**—Pinion Setting	38	48.30
J 2531	**Replacer**—Pinion Brg. Cup	38	7.15
J 2532	**Replacer**—Pinion Brg. Cup	38	6.65
J 2533	**Replacer**—Pinion Brg. Cup	38	8.05
J 2534	**Replacer**—Pinion Brg. Cup	38	7.60
J 2537-A	**Adapters**—Spring Unloader	48	8.65
J 2539	**Replacer**—Axle Oil Seal	39	8.80
J 2540	**Gauge**—Pressure Checking	26	5.75
J 2541-A	**Stand**—Transmission Hold.	26, 23	22.60
J 2542	**Remover**—Valve Guide	10	1.55
J 2544-A	**Pin Set**—Linkage Adjusting	26	1.90
J 2545	**Gauge**—Throttle Lever	26	3.60
J 2548	**Aligning Set**—Flywheel	26, 23	34.30
J 2549	**Fixture**—Torus Cover Check	26	4.00
J 2551	**Replacer**—Cross Shaft Bush.	44	24.50
J 2552	**Puller**—Axle Shaft	39	10.15
J 2553	**Gauge**—Hydraulic Tappet	10	1.70
J 2554	**Driver**—Axle Oil Seal	39	6.05
J 2555	**Replacer Set**—Piston Bush.	10	24.10
J 2556	**Gauge**—Steering Centering	44	3.40
J 2557	**Puller**—Steering Wheel	45	4.15
J 2559	**Bar**—Countershaft Assembly	23	2.55
J 2560	**Gauge**—Axle End Play	39	3.25
J 2561	**Pilot**—Piston Pin Assembly	10	2.25
J 2562	**Arbor**—Engine Cover Align.	10	3.20
J 2563	**Clamp**—Clutch Gear	23	1.45
J 2564	**Replacer Set**—Knuckle Bush.	45	36.55
J 2565	**Puller & Driver**—Jacket Brg.	45	7.75
J 2568	**Wrench**—Wiper Shaft	51	.60
J 2569	**Wrench**—Wiper Shaft	51	4.15
J 2571-A	**Wrench**—Universal Joint Nut	39	6.10
J 2571-B	**Wrench**—Differential Preload	39	11.40
J 2572	**Puller**—Pitman Arm	45	6.55
J 2573-A	**Carburetor Tool Set**	10	27.10
J 2574	**Press Plate**—Pinion Bearing	39	11.70
J 2575	**Gauge**—Oil Pressure	28	4.55
J 2576	**Puller**—U Joint Flange	39	8.75
J 2577	**Driver**—Valve Guide	10	8.15
J 2580	**Driver**—Valve Guide	10	3.10
J 2581	**Arbor**—Clutch Aligning	19	11.40
J 2582	**Puller**—Vibration Damper	10	13.85
J 2584	**Gauge**—Clutch Lever	19	.35
J 2586	**Fixture**—Torus Cover Check	26	5.20
J 2587	**Guide**—Mainshaft End Play	26	6.35
J 2590	**Compressor**—Clutch Spring	28	15.70
J 2591	**Finger**—Linkage Hook-Up	28	2.85
J 2592	**Stator Tool**—Assembly	28	1.15
J 2595	**Clip**—Trans. Band Installing	28	1.85
J 2596	**Gauge**—Converter Clearance	28	9.40
J 2597	**Installer**—Torque Ball	23	6.75
J 2602	**Wrench**—Wiper & Radio	51	.50
J 2619-A	**Slide Hammer Only**	19, 39	6.35
J 2623	**Collet**—Trans. Oil Seal	23, 27	8.55
J 2625	**Gauge**—Trunnion Centering	45	2.75
J 2626	**Replacer**—Axle Oil Seal	39	5.35
J 2628	**Remover**—Idler Arm Bushing	45	2.95

PART NO.	DESCRIPTION	PAGE	PRICE
J 2629	**Reamer**—Idler Arm Bushing	45	$6.55
J 2631-A	**Depressor**—Trim Pad	51	1.60
J 2632	**Assembly Tool**—Countershaft	23	3.30
J 2633	**Replacer**—Shift Fork Seal	23	3.80
J 2635-A	**Replacer**—Valve Guide	10	3.65
J 2636	**Puller**—Vibration Damper	10	10.75
J 2637	**Holder**—Companion	39	10.25
J 2639	**Replacer**—Pinion Brg. Oil Seal	39	8.40
J 2640	**Remover**—Pinion Bearing Cone	39	3.65
J 2641	**Remover**—Axle Brg. Cone	39	2.25
J 2643	**Replacer**—Pinion Brg. Cone	39	5.60
J 2644-A	**Remover**—Pinion Brg. Cup	39	2.40
J 2645	**Remover**—Pinion Brg. Cup	39	2.85
J 2646	**Replacer**—Diff. Bearing Cone	39	6.95
J 2647	**Remover**—Pinion Oil Seal	39	11.15
J 2648	**Gauge**—Trans. Feeler	28	.70
J 2650	**Gauge**—Gear Backlash	27	4.15
J 2653	**Fixture**—Cyl. Head Holding	10	49.25
J 2654-A	**Slide Hammer Only**	39, 48	6.35
J 2655	**Remover**—Trans. Access Cap	28	2.75
J 2657	**Gauge**—Anchor Piston	28	2.65
J 2659	**Holder**—Companion Flange	23	10.80
J 2667	**Press**—Mainshaft Brg. Assy.	23	16.55
J 2668	**Reamer**—Idler Gear Bushing	24	11.25
J 2669	**Remover**—Clutch Gear	24	5.05
J 2670	**Spanner**—Clutch Brg. Nut	24	2.95
J 2671	**Driver**—Third Speed Bush.	24	6.95
J 2672	**Wrench**—Cyl. Head Stud	11	2.75
J 2679	**Switch**—Remote Starter	11	2.90
J 2680	**Staking Tool**—Idler Bushing	24	6.50
J 2681-A	**Adjuster**—Servo Band	27	19.75
J 2682	**Burr Tool**—Windshield Wiper	51	5.00
J 2726	**Collet**—Trans. Oil Seal	24, 27	8.55
J 2730	**Inserter**—Valve Lifter Ring	11	1.30
J 2731	**Tap**—Cylinder Block	11	3.95
J 2749	**Refinish Set**—Water Pump	11	13.75
J 2767	**Inserter**—Weatherstrip	51	4.45
J 2769	**Wrench**—Door Handle	51	2.00
J 2770	**Adjuster**—Door Lock	51	2.25
J 2772	**Inserter**—Headlining	51	1.75
J 2774	**Service Set**—Flywheel Dowel	27	21.20
J 2776	**Install Set**—Cover Oil Seal	11	9.10
J 2778	**Fixture**—Water Pump Hold.	11	13.25
J 2779	**Compressor**—Main Brg. Pack.	11	9.75
J 2781	**Remover**—Tie Rod End	45	6.60
J 2782	**Bracket**—Engine Lifting	11	4.45
J 2789	**Driver**—Piston Pin	11	2.90
J 2790	**Driver**—Piston Pin Bush.	11	2.85
J 2791	**Burnisher**—Piston Pin Bush.	11	28.00
J 2792	**Puller**—Steer. Jacket Brg.	45	10.95
J 2793	**Installer**—Water Jacket Plug	11	3.95
J 2794	**Gauge**—Oil Pump Distributor	11	4.85
J 2795	**Remover**—Pedal Rod	49	6.60
J 2799	**Wrench**—Water Pump	11	4.85
J 2807	**Bender**—Throttle Lever	27	6.75
J 2808	**Rem. & Repl.**—Transmission	24, 27	12.75
J 2814	**Remover**—Valve Guide	11	7.75
J 2827	**Clinching Tool**—Lock Nut	39	3.45
J 2895	**Remover**—Shifter Fork Screw	24	2.50
J 2896	**Remover**—Hood Spring (2)	51	3.25
J 2926	**Hole Saw**—Spotlight	51	4.50
J 2927-A	**Puller**—Steering Wheel	45	12.75
J 2933	**Holder**—Companion Flange	39	7.95
J 2934	**Press Plate**—Pinion Bearing	39	4.85
J 2935	**Press Plate**—Pinion Bearing	39	3.30
J 2936-A	**Remover**—Pinion Brg. Race	40	2.95
J 2937	**Installer**—Pinion Brg. Race	40	5.00
J 2938	**Remover**—Pinion Brg. Race	40	$3.30
J 2939	**Installer**—Pinion Brg. Race	40	3.25
J 2940	**Driver Handle**	40	2.50
J 2943	**Replacer**—Pinion Brg. Cup	40	3.60
J 2944	**Replacer**—Pinion Brg. Cup	40	3.60
J 2945	**Scale**—Distributor Check	11	3.80
J 2948	**Driver**—Piston Pin Bushing	11	2.30
J 2949	**Burnisher**—Piston Pin Bush.	11	14.50
J 2950	**Block**—Piston Bush. Burnish.	11	2.90
J 2951	**Block**—Piston Bush. Burnish.	11	3.55
J 2952-A	**Replacer**—Steer. Jacket Brg.	45	4.95
J 2953	**Gauge**—Steer. Arm Centering	45	17.85
J 2955	**Remover**—Main Bearing Cap	11	6.25
J 2956	**Spring Tool**—Over Center	19	6.40
J 2958	**Rem. & Rep.**—Control Arm	45	3.00
J 2959	**Puller**—Oil Pump Gear	11	4.35
J 2963	**Remover**—Tie Rod Stud	45	11.20
J 2964	**Wrench**—Brake 1-1/16" Hex.	49	4.35
J 2965	**Wrench**—Brake 3/8" Allen	49	.85
J 2966	**Tester**—Valve Lifter	12	5.15
J 2967	**Attachment**—Engine Lifting	12	8.95
J 2969	**Pins**—Cyl. & Trans. Assy.	12, 24	1.95
J 2971	**Wrench**—Comp. Flange Nut	40	2.20
J 2975	**Wrench**—Wheel Bearing Nut	40	2.25
J 2981	**Hooks**—Front Suspension (2)	45	5.20
J 2982	**Puller**—Steering Wheel	45	7.60
J 2983	**Remover**—Prop. Shaft Coupl.	40	8.55
J 2984	**Puller**—Axle & Prop. Flange	40	10.75
J 2985	**Installer**—Clutch Pilot Brg.	19	3.05
J 2986	**Remover Set**—Axle Bearing	40	20.85
J 2991	**Wrench**—Wiper Control Nut	51	3.90
J 2995	**Installer**—Brg. & Snap Ring	24	5.25
J 2996	**Replacer**—Planet Carrier Bush.	28	2.20
J 2997	**Remover & Replacer**—Rear Brg. Ret.	28	3.55
J 2998	**Wrench**—Caster-Camber Adj.	45	3.95
J 2999-A	**Refinisher**—W/Pump Seat	12	28.15
J 3041	**Milling Tool**—Fender Weld	51	9.85
J 3042	**Yoke**—Transmission Thrust	24	5.30
J 3044	**Puller**—Steering Wheel	45	8.20
J 3045	**Gauge**—Convertor Clearance	28	8.45
J 3046	**Adjuster**—Generator Belt	12	4.00
J 3048-A	**Installer**—Bearing Oil Seal	12	7.95
J 3049	**Remover**—Valve Lifter	12	3.15
J 3053	**Wrench**—Antenna Control	51	1.75
J 3056	**Reamer**—Pitman Shaft Bush.	45	7.90
J 3057	**Reamer**—Steer. Knuckle Bush.	45	6.70
J 3058	**Reamer**—Steer. Knuckle Bush.	45	6.70
J 3059	**Reamer**—Valve Guide	12	2.20
J 3060	**Reamer**—Valve Guide	12	2.20
J 3062	**Remover**—Valve Stem Guide	12	1.75
J 3063	**Camshaft Bearing Set**	12	42.20
J 3064	**Holder**—Cylinder Head	12	26.80
J 3065	**Gauge**—Throttle Lever	27	3.95
J 3066	**Installer**—Valve Stem Guide	12	6.10
J 3067	**Replacer**—Rear Hub Oil Seal	40	7.15
J 3068	**Fixture**—Engine Support	12	10.25
J 3069-A	**Installer**—Axle Oil Seal	40	7.20
J 3073	**Reamer**—Valve Counterbore	12	5.35
J 3074	**Tester**—Valve Lifter	12	2.20
J 3075	**Pry Bar**—Hood Hinge Spring	51	10.35
J 3080	**Remover**—Camshaft & Sprkt.	12	16.25
J 3081	**Assy. Tool**—Primary Stator	28	1.15
J 3082	**Expander**—Wheel Brg. Seal	45	2.25
J 3085	**Gauge**—Shift Control Link	28	2.15
J 3175	**Remover & Replacer**—Case Bush.	28	13.40
J 3176	**Checking Tool**—Hyd. Valve Tappet	12	5.95
J 3181	**Remover**—Hood Spring	51	19.95

PART NO.	DESCRIPTION	PAGE	PRICE
J 3182	Replacer—St. Gear Bg. Cup	45	$4.00
J 3183	Remover—Steer. Gear Bg. Cup	45	10.65
J 3184	Gauges—Control Arm (2)	46	2.40
J 3185	Remover—Rear Bg. Snap Ring	24	1.35
J 3189	Reamer—Steering Idler	46	7.05
J 3190	Wrench—Door Handle Screw	51	1.00
J 3197	Remover—Planet Carrier Bushing	28	9.05
J 3209	Wrench—Pivot Shaft Nut	51	3.50
J 3210	Aligner—Con. Rod	12	45.50
J 3211-A	Puller—Water Pump Impellor	12	16.65
J 3217	Adapter—Valve Holder	12	5.05
J 3224	Guide Set—Con. Rod Bolt	13	.75
J 3225	Rem. & Repl.—Rear Spring Bush.	46	7.95
J 3227	Wrench—Overdrive Governor	24	2.95
J 3230	Installer—Pinion Brg. Cup	40	4.90
J 3231	Remover—Pinion Brg. Cup	40	2.70
J 3232	Adjuster—Diff. Side Brg.	40	4.75
J 3233-A	Carburetor Tool Set	13	29.25
J 3234	Installer—Pinion Brg. Cup	40	4.20
J 3235	Remover—Pinion Brg. Cup	40	3.65
J 3243	Installer—Pinion Brg. Cup	40	3.50
J 3244	Installer—Pinion Oil Seal	40	4.85
J 3245	Installer—Pinion Oil Seal	40	6.10
J 3246	Installer—Diff. Side Brg.	40	3.80
J 3248	Installer—Diff. Side Brg.	40	3.80
J 3249	Spacer & Installer—W/Pump Shaft	13	2.55
J 3250	Puller—Diff. Side Brg.	41	12.50
J 3261	Carburetor Tool Set	13	17.80
J 3264	Replacer Set—Pinion Yoke	41	19.20
J 3273	Shank & Cutter Set—Water Pump	13	11.45
J 3274	Puller—Steering Wheel	46	9.00
J 3286	Pliers—Hog Ring	51	2.70
J 3288	Carburetor Tool Set (Master)	13	70.50
J 3289	Fixture—Diff. Carrier	41	23.80
J 3295	Remover—Steering Arm Ball Stud	46	1.30
J 3296	Gun—Body Cement	51	2.20
J 3310	Bending Tool—Throttle Lever	27	6.75
J 3360	Shields—Asbestos Arm	13	3.50
J 3361	Fixture—Transmission Assembly	29	50.75
J 3362	Installer—Stator Race	29	4.00
J 3364	Compressor—Clutch Spring	29	4.00
J 3365	Compressor—Servo Ring	29	4.95
J 3377	Compressor—Piston Apply Spring	29	2.50
J 3383	Remover & Repl.—Park. Lock Pawl	29	3.65
J 3387	Stud Set—Transmission Pilot	29	3.95
J 3455	Stud Set—Cyl. Head Guide	13	2.10
J 3838	Micrometer—Crankshaft	52	24.75
J 3839	Micrometer—Journal	52	14.65
J 3845-56	4" Height Adapter	32	2.65
J 3848	Fixture—Piston Pin Fitting	13	29.50
J 3888	Car Stands—Quik-Set (Pr.)	52	15.00
J 3889	Car Stands—Quik-Set (Pr.)	52	10.00
J 3955	Setting Tool—Distributor Point	13	20.85
J 3957	Spreader—Upper Control Arm	46	8.95
J 3961	Dynaflow Adapter for Model "63" Hoist	28	26.90
	Model "63" Hoist Complete with Dynaflow Adapter	32	195.00
J 4050	Spacer—Pinion Shaft	41	1.30
J 4129	Packard Ultra-Matic Adapter for Models "27" and "63" Transmission Hoists	33	12.50
	Model "27" Hoist complete with Ultra-Matic Adapter	32	133.35
	Model "63" Hoist complete with Ultra-Matic Adapter	33	180.60
J 4139	Adapter—Fan Belt Adj.	13	3.95
J 4145	Remover & Replacer—Steering Knuckle Bush. & Brg.	46	$9.95
J 4146	Puller—Steering Wheel	46	16.95
J 4147	Remover & Replacer—Steering Bell Crank	46	5.95
J 4153	Puller—Wheel	41	13.20
J 4158	Pins—Throttle Linkage Adj.	27	1.25
J 4159	Handles—Cyl. Head Removing	13	7.95
J 4161	Remover & Replacer—Rear Spring Bushing	48	15.00
J 4164	Hydra-Matic Adapter for Models "27" & "63" Hoists	27, 32	6.90
	Model "27" Hoist complete with Hydra-Matic Adapter	33	127.75
	Model "63" Hoist complete with Hydra-Matic Adapter	32	175.00
J 4170	Adjusting Tool—Generator Belt	13	2.95
J 4172	Remover & Replacer—Distributor Bushing	13	8.95
J 4174	Remover—U-Joint Brg. Cap	41	3.70
J 4176	Remover—Front Cover Oil Seal	13	11.95
J 4177	Replacer—Front Cover Oil Seal	13	12.80
J 4179	Support Tool—Engine	27	14.85
J 4182-A	File Set—Voltage Regulator	13	5.25
J 4186	Gauge—Float Level	13	.30
J 4238	Dynaflow Adapter for Model "27" Hoist	28, 33	11.95
	Model "27" Hoist complete with Dynaflow Adapter	33	132.80
J 4240	Driver—Front Pump Seal	29	5.55
J 4245	Pliers—Accumulator Retaining Snap Ring	29	1.05
J 4251	Spreader—Upper Control Arm	46	6.85
J 4258	Remover—Torque Tube Front & Rear Bush.	41	12.30
J 4259	Installer—Torque Tube Rear Bush.	41	9.30
J 4260-A	Gauge—Trans. End Clearance	29	9.95
J 4261	Assembly Tool—Modulator	29	.85
J 4262	Sling—Trans. Lifting	29	3.75
J 4263	Driver—Front Pump	29	13.95
J 4264	Filler Tube & Funnel—Trans. Oil	29	9.50
J 4266	Assy. Hooks—Cylinder Head	14	6.15
J 4268	Gauge—Trans. Oil Pressure	29	5.75
J 4270	Gauge—Transmission Pressure	30	6.80
J 4274	Assembly Tools—Hyd. Valve Lifter	14	4.15
J 4275	Remover—Trans. Rear Bearing	29	6.90
J 4276	Installer—Trans. Rear Brg.	29	15.45
J 4277	Wrench—Servo Band Adj.	29	7.50
J 4279	Hoist—Trans.	29, 31	49.75
J 4281	Indexing Tool—Flywheel	29	6.00
J 4283	Fixture—Spline Alignment	30	39.95
J 4284	Studs—Trans. Pilot	30	.90
J 4285	Adj. Tool—Brake Band	30	6.25
J 4286	Flange—Converter Alignment	30	21.40
J 4287	Studebaker Adapter for Models "27" & "63" Hoists		26.50
	Model "27" Hoist Complete with Studebaker Adapter	33	145.65
	Model "63" Hoist Complete with Studebaker Adapter	32	192.65
J 4290	Installer—Torque Tube Bushing	41	5.70
J 4291	Compressor—Piston Ring	14	2.00
J 4353	Tool Set—Hydra-Matic Clutch	27	17.95
J 4375	Remover & Replacer Set—Turbine Bushing	29	13.75
J 4383	Puller—Clutch Pilot Brg.	19	8.55
J 4387	Cutter—Set	14	42.75

PART NO.	DESCRIPTION	PAGE	PRICE
J 4388	Wrench—Steering Gear Adj.	46	$3.55
J 4389	Gauge—Clutch Finger Setting	19	8.75
J 4390	Remover & Replacer—Speedometer Gear	24	4.30
J 4391	Adjusting Fixture—Throttle Linkage	30	2.25
J 4396	Depressor—Accelerator Pedal	14	2.25
J 4420	Wrench—Flywheel Turning & Drain Plug	28	
J 4424	Wrench—Torque	53	22.50
J 4425	Wrench—Torque	53	22.50
J 4426	Wrench—Torque	53	20.75
J 4427	Wrench—Torque	53	28.50
J 4434	Wrench—Torque	53	15.50
J 4435	Wrench—Torque	53	15.50
J 4436	Wrench—Torque	53	14.95
J 4437	Wrench—Torque	53	18.25
J 4455	Indicator—Last Word Dial	24	24.50
J 4460	Compressor—Piston Ring	14	2.00
J 4461	Compressor—Piston Ring	14	2.00
J 4477	Bearing Service Tool Set—Steering Knuckle	46	21.65
J 4559	Model "27" Transmission Hoist	33	120.85
	Model "27" Hydraulic Hoist Complete with Dynaflow Adaptor		132.80
	Model "27" Hydraulic Hoist Complete with Hydra-Matic Adapter		127.75
	Model "27" Hydraulic Hoist Complete with Studebaker Automatic Transmission Adapter		145.65
	Model "27" Hydraulic Hoist Complete with Ultramatic Adapter		133.35
J 4560	Model "63" Transmission Hoist	32	168.10
	Model "63" Hydraulic Hoist Complete with Dynaflow Adapter		195.00
	Model "63" Hydraulic Hoist Complete with Hydra-Matic Adapter		175.00
	Model "63" Hydraulic Hoist Complete with Studebaker Automatic Transmission Adapter		192.65
	Model "63" Hydraulic Hoist Complete with Ultramatic Adapter		180.60
J 5071	Gauge—Rear Servo	27	1.25
J 5091	Gauge—Gas Per Mile	14	29.50
K 224	Remover—Wheel Brg. Cup	41, 46	1.55
K 318	Driver—Knuckle Bushing	46	3.05
K 342	Press Plate	24	4.80
K 343	Press Plate—Speed Gear	24	3.85
K 353	Wrench—Gear Shift Lever	24	6.80
K 386	Assembly Tool—Countershaft	24	5.25
K 410	Driver—Pilot Bearing	19	8.55
K 411	Pilot Tool—Clutch	19	8.05
K 427	Driver Head—Axle Bearing	41	4.00
K 445-B	Puller—Pilot Brg. Retainer	19	18.60
K 463-B	Driver Set—Wheel Brg. Cup	46	13.35
KMO 3-A	Cutter—Tube	53	2.50
KMO 30	Dial Indicator Set	53	17.75
KMO 30-B	Dial Indicator	53	12.25
KMO 30-F	Hole Attachment	53	2.50
KMO 30-G	Indicator Clamp	53	1.75
KMO 30-K	Indicator Sleeve	53	1.25
KMO 65-B	Holder—Screw	53	.70
KMO 105-B	Reseater Set—Valve	14	50.50
KMO 122	Cleaner—Valve Guide	14	.75
KMO 142	Pliers—Brake Spring	49	3.40
KMO 144	Tester—Fuel Pump	14	10.00
KMO 145	Clamps—Brake Cylinder	49	1.25
KMO 187-1	Wrench—Cylinder Head	14	2.20
KMO 187-3	Wrench—Cylinder Head	14	$2.20
KMO 187-10	Wrench—Cylinder Head	14	2.40
KMO 213	Tester—Compression	14	10.00
KMO 225-1	Reamer—Oversized King Pin	46	5.10
KMO 225-2	Reamer—Oversized Knuckle	46	6.40
KMO 226-1	Reamer—Oversized King Pin	46	5.65
KMO 226-2	Reamer—Oversized King Pin	46	7.50
KMO 230	Cleaner—Distributor Cap	14	.60
KMO 233-B	Gauge—Tappet Feeler	15	.45
KMO 242-A	Socket—Connecting Rod	15	1.00
KMO 250	Bushing Reamer—Steering Knuckle	46	9.40
KMO 267-B	Carburetor Tool Set	15	15.75
KMO 268	Carburetor Tool Set	15	8.25
KMO 297-A	Expander—Ring 3¼"		2.95
KMO 297-B	Expander—Ring 3⅜"		2.95
KMO 297-C	Expander—Ring 3½"		2.95
KMO 297-D	Expander—Ring 3⁷/₁₆"		2.95
KMO 297-E	Expander—Ring 3⁹/₃₂"		2.95
KMO 297-F	Expander—Ring 3⅝"		2.95
KMO 297-G	Expander—Ring 3¹¹/₁₆"		2.95
KMO 297-H	Expander—Ring 3¹³/₁₆"		2.95
KMO 297-I	Expander—Ring 3⅞"		2.95
KMO 297-J	Expander—Ring 4⅛"		9.30
KMO 297-K	Expander—Ring 4⅜"		9.30
KMO 297-L	Expander—Ring 3"		2.95
KMO 297-M	Expander—Ring 3¹/₁₆"		2.95
KMO 297-N	Expander—Ring 3⅛"		2.95
KMO 297-O	Expander—Ring 4¹³/₁₆"		9.30
KMO 297-P	Expander—Ring 3⅝"		2.95
KMO 297-Q	Expander—Ring 3¾"		2.95
KMO 297-R	Expander—Ring 3¹³/₁₆"		2.95
KMO 312-1	Reamer—Oversize King Pin	46	7.20
KMO 312-2	Reamer—Oversize Knuckle	46	8.85
KMO 314	Reamer—Water Pump Bush.	15	4.45
KMO 318	Light—Engine Timing	15	18.00
KMO 334	Wrench—Clutch Shaft	27	4.85
KMO 338	Reamer—Idler Gear Bush.	24	5.15
KMO 346	Punch—Door Handle Pin	51	.50
KMO 349	Reamer—Idler Gear Bush.	24	9.50
KMO 357	Inserter—Piston	15	1.90
KMO 366	Wrench—Support Arm Bush.	47	2.55
KMO 369	Wrench—Governor Switch	24	3.40
KMO 410	Snap Ring Pliers	29	2.25
KMO 436-1	Micrometer—(0" to 1")	53	10.50
KMO 436-2	Micrometer—(1" to 2")	53	11.50
KMO 436-3	Micrometer—(2" to 3")	53	12.50
KMO 436-4	Micrometer—(3" to 4")	53	13.50
KMO 449-A	Screwdrivers—Clutch Head	52	4.50
KMO 462	Brush Set—Engine Cleaning	15	6.45
KMO 464	Rack—Piston & Valve	15	5.00
KMO 467	Feelers—Valve	15	.90
KMO 475	Threading Die—Axle	41	5.00
KMO 479	Gauge—Brake Shoe Feeler	50	.50
KMO 484	Lifter—Valve Spring	15	1.85
KMO 486	Wrench—Stud	15	3.50
KMO 487	Wrench—Caster & Camber	47	.10
KMO 495	File—Piston Ring	15	3.50
KMO 496	Aligner—Connecting Rod	15	55.00
KMO 497	Test Kit—Hydraulic & Vac.	50	37.00
KMO 499	Solder Iron—Electric	53	8.00
KMO 500	Leak Detector—Oil	15	29.75
KMO 505	Brush—Battery Cleaning	15	1.55
KMO 506-A	Gauge Set—Regulator	16	7.85
KMO 526	Wrench—Brake Spring Remover & Replacer	50	1.40
KMO 555	Hone—Piston Pin	16	17.25

PART NO.	DESCRIPTION	PAGE	PRICE
KMO 555-4	Hone Blades—Piston Pin 1" to 1 1/16"	16	$3.50
KMO 570	Wrench—Wheel Brg. Nut	41	2.25
KMO 584	Inserter—Piston 3 3/32"	16	2.00
KMO 585	Inserter—Piston 3 7/16"	16	2.00
KMO 598	Leak Detector—Cool System	16	12.50
KMO 601	Pliers—Door Handle	52	.60
KMO 607	Tester—Clutch & Valve Spr.	16	17.75
KMO 613	Flex Tool Vac. Diaphragm	16	.10
KMO 614	Reamer—Knuckle Bushing	47	15.50
KMO 616	Wrench—Steer Lock Nut	47	2.65
KMO 619	Arbor Press—3 Ton Bench Type	53	65.00
KMO 621	Pliers—Brake Spring	50	2.35
KMO 623	Clip Set—Window Spring	52	.90
KMO 629	Wrench—Tension (0-50 ft. lbs.)	53	9.75
KMO 630	Pliers—Snap Ring	24, 27	4.25
KMO 631	Gauge—Cylinder Check	16	21.00
KMO 638	Cutter—Cylinder Ridge (J 4584)	16	8.75
KMO 641	Key Catcher—Valve	16	1.10
KMO 642	Lifter—Valve	16	7.00
KMO 643	Aligner—Distr. Point	16	3.50
KMO 644	Arbor Press—10 Ton Bench Type	53	36.00
KMO 652	Wrench—Tension (0-50 in. lbs.)	53	37.50
KMO 653	Adapter—Tension Wrench	53	1.15
KMO 654	Reamer—Knuckle Bushing	47	11.85
KMO 655	Wrench—Filter Bowl	16	4.25
KMO 667	Wrench—Tension (0-150 in. lbs.)	53	16.50
KMO 670	Test Harness—Drivemaster	24	5.45
KMO 671	Cutter—Sheet Metal	52	5.75
KMO 679	Puller & Driver—Jacket Brg.	47	8.95
KMO 685	Remover—Remote Control	52	.30
KMO 687	Gauge—Hydraulic Pressure	52	12.00
KMO 692	Adapter—Tension Wrench	53	1.10
KMO 695	Adjuster Bit—Steer Worm	47	1.95
KMO 701	Bench Vise 3"	54	21.85
KMO 702	Bench Vise 4"	54	$26.05
KMO 703	Bench Vise 4 1/2"	54	29.40
KMO 704	Bench Vise 5"	54	50.40
KMO 705	Heavy Duty Vise 4"	54	28.55
KMO 706	Heavy Duty Vise 4 1/2"	54	33.60
KMO 707	Dummy Pin—Rocker Arm	16	.30
KMO 709-A	6 Ft. Steel Bench (with drawer)	54	37.65
KMO 710-A	6 Ft. Steel Bench (less drawer)	54	32.90
KMO 712	Compressor—Ring 3 3/8"	16	2.00
KMO 713	Compressor—Ring 3 1/2"	16	2.00
KMO 715	Drill (1/4" Electric)	54	37.00
KMO 716	Drill (1/2" Electric)	54	55.00
KMO 717	Drill (3/8" Electric)	54	71.00
KMO 718	Bench Grinder (6")	54	55.50
KMO 720	Hammer—Copper	54	1.95
KMO 734	Remover—Main Brg. Insert	16	.90
KMO 735	Compressors—Front Spring	48	14.50
KMO 738	Wrench—Pitman Arm Nut	47	2.30
KMO 740	Compressor—Ring 3 3/16"	17	2.00
KMO 754	Hone—Piston Pin	17	15.75
KMO 913	Gauge—Cylinder Check	17	19.00
KMO 916	Oil Strainer Installer	17	3.20
KMO 967	Valve Lapper (Air Operated)	17	21.75
KMO 1000-A	Hone—Cylinder	17	49.50
KMO 1026-A	Injector—Oil	48	1.15
KMO 1043-B	Key Chev. Performance	17	2.75
KMO 7004	Brush—Carbon Removing	17	1.60
N 330	Driver—Knuckle Bushing	47	2.10
N 353	Driver—Mast Jacket Bush.	47	5.95
N 383	Drift—Brass	54	1.75
PR 131	Reamer—Valve Guide	17	5.35
T 126-R	Puller—Crankshaft Gear	17	5.55
TR 278-R	Puller Set—Diff. Bearing	24, 41	11.80
U 4-B	Text Fixture—Ring Gear	41	42.85

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Use the tool right

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